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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

| Appli | | | atla filo reference | | | |
|--|--|-------|--|--|-----------------------------------|--|
| Applicant's or agent's file reference X15876 | | | | FOR FURTHER AC | | ion of Transmittal of International Examination Report (Form PCT/IPEA/416) |
| International application No. International filing date (PCT/US 03/26300 17.09.2003 | | | | | day/month/year) | Priority date (day/month/year) 19.09.2002 |
| Interr | | Pate | | oth national classification a | and IPC | |
| Appli ELI | | ' ANI | COMPANY et al. | | | |
| This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. | | | | | | ternational Preliminary Examining |
| 2. | This | REPO | ORT consists of a total | of 8 sheets, including th | nis cover sheet. | |
| | × | beer | n amended and are the | anied by ANNEXES, i.e. basis for this report and n 607 of the Administrati | for sheets containing | otion, claims and/or drawings which have grectifications made before this Authority or the PCT). |
| | These annexes consist of a total of 80 sheets. | | | | | |
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| | Thio | ronoi | t contains Indications r | elating to the following it | ame: | · |
| 3. | | _ | | elating to the lonowing in | enis. | |
| | 1 | | Basis of the opinion | | | |
| İ | H | | Priority | i aminiam with yearand to m | avaltu inventive eter | a and industrial applicability |
| | III IV | ⊠ | | , | oveity, inventive step | o and industrial applicability |
| ļ | V | ⊠ | Lack of unity of inventions and explanations and explanations. | | ith regard to novelty, atement | inventive step or industrial applicability; |
| | VI | | Certain documents ci | * * = | | |
| | VII | | Certain defects in the | international application | 1 | · |
| | VIII | | | on the international appl | | |
| | | | | | | |
| Date | Date of submission of the demand | | | | Date of completion o | f this report |
| 06.0 | 06.04.2004 | | | | 22.11.2004 | |
| | | | g address of the internatio ining authority: | nal | Authorized Officer | Statute Petrategy |
| - | 118 | | ropean Patent Office 30298 Munich | | Gavriliu, D | |
| | <i>9))</i> | Te | I. +49 89 2399 - 0 Tx: 523 | 656 epmu d | | 20,0000,0074 |
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INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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The International Bureau of WIPO 34, chemin des Colombettes CH - 1211 Geneva 20 Switzerland

NOTIFICATION CONCERNING DOCUMENTS TRANSMITTED

Date of mailing

| | | | (day/month/year) | 22.11.2004 | | | |
|------|--|---|---------------------------------|------------|--|--|--|
| Inte | International application No: PCT/US 03/26300 | | | | | | |
| Thi | This International Preliminary Examining Authority transmits herewith the following documents: | | | | | | |
| 1. | | demand (Rule 61.1(a)). | | | | | |
| 2. | ∠ | copy of the international preliminary examinati | on report and its annexes (Rule | 71.1). | | | |
| 3. | | other documents (specify): | | | | | |
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Name and mailing address of the international preliminary examining authority:



European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465 **Authorized Officer**

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US 03/26300

| i. | Basis | of the | report |
|----|--------------|--------|--------|
|----|--------------|--------|--------|

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

| | Des | cription, Pages | | |
|--|--------------|--|--|--|
| | 1-3, 9-538 | | as originally filed | |
| | 4-8, | 8a-8j | filed with telefax on 24.09.2004 | |
| | Clai | ms, Numbers | | |
| | 1-41 | | filed with telefax on 24.09.2004 | |
| 2. | With lang | regard to the langua uage in which the inte | ge, all the elements marked above were available or furnished to this Authority in the ernational application was filed, unless otherwise indicated under this item. | |
| | The | se elements were ava | ilable or furnished to this Authority in the following language: , which is: | |
| | | the language of a trai | nslation furnished for the purposes of the international search (under Rule 23.1(b)). | |
| | | the language of publi | cation of the international application (under Rule 48.3(b)). | |
| | | the language of a trai Rule 55.2 and/or 55.3 | nslation furnished for the purposes of international preliminary examination (under 8). | |
| With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing: | | | | |
| | | contained in the inter | national application in written form. | |
| | | e international application in computer readable form. | | |
| ☐ furnished subsequently to this Authority in written form. | | | | |
| | | furnished subsequen | tly to this Authority in computer readable form. | |
| The statement that the subsequently furnished written sequence listing does not go beyond the din the international application as filed has been furnished. | | | | |
| | | The statement that the listing has been furnished | ne information recorded in computer readable form is identical to the written sequence shed. | |
| 4. | The | amendments have re | esulted in the cancellation of: | |
| | | the description, | pages: | |
| | | the claims, | Nos.: | |
| | | the drawings, | sheets: | |
| 5. | | This report has been been considered to g | established as if (some of) the amendments had not been made, since they have go beyond the disclosure as filed (Rule 70.2(c)). | |
| | | (Any replacement sh report.) | eet containing such amendments must be referred to under item 1 and annexed to this | |
| 6. | Add | litional observations, i | f necessary: | |

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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| III. | Non-establishment of o | pinion with regard | to novelty, in | ventive step and | d industrial applicability |
|------|--------------------------|--------------------|----------------|------------------|----------------------------|
| | Itoli cotabiletiiii et e | p | ,, | | |

| ٦. | obvious), or to be industrially applicable have not been examined in respect of: | | | | | |
|----|---|--|-------------|--|---|--|
| | | the entire international applica | tion, | | | |
| | \boxtimes | claims Nos. 1(part), 3-18(part) | , 26-27 | 7(part), 28-31 | ,32(part), 33-38 | |
| | | because: | | | | |
| | × | the said international application which does not require an international application. | | | ns Nos. 28-31,33-38 relate to the following subject matter y examination (specify): | |
| | | see separate sheet | | | | |
| | | the description, claims or draw that no meaningful opinion cou | ings (i | <i>indicate parti</i> formed <i>(spec</i> | cular elements below) or said claims Nos. are so unclear cify): | |
| | | the claims, or said claims Nos could be formed. | . are s | o inadequate | ly supported by the description that no meaningful opinion | |
| | × | no international search report 29-39(part) | has be | een establish | ed for the said claims Nos. 1(part), 3-18(part), 26-27(part), | |
| 2. | A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide an or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions: | | | | | |
| | | the written form has not been | furnish | ned or does n | ot comply with the Standard. | |
| | | the computer readable form ha | as not | been furnish | ed or does not comply with the Standard. | |
| V. | | leasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; itations and explanations supporting such statement | | | | |
| 1. | Stat | tement | | | | |
| | Nov | relty (N) | Yes: No: | Claims Claims | 19-25 | |
| | Inve | entive step (IS) | Yes: No: | Claims Claims | 19-25 | |
| | Indu | ustrial applicability (IA) | Yes: No: | Claims Claims | 1-27, 32, 33-38 | |
| 2. | Cita | itions and explanations | | | | |
| | see | separate sheet | | | | |

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

For reasoning with regards to unsearched subject-matter, see Form PCT/ISA/210 of the International Search Report. No International Preliminary Examination will be carried out with respect to subject-matter which is not covered by the search report (Rule 66.1(e)PCT).

Present Claim 1 relates to an extremely large number of possible compounds. In fact, Claim 1 contains so many options, variables, possible permutations that a lack of clarity (and conciseness) within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT arises to such an extent as to render a meaningful search of the Claim 1 impossible. The Claim 1 can in no way be considered to be a reasonable generalisation of the actual examples since it includes numerous possibilities which cannot be considered as equivalents, homologues or analogues of the examples. Consequently, the search was carried out for those parts of the application which do appear to be clear (concise and supported by the tested examples), namely for the compounds of formula lb. It should be noted that if the incomplete search objection were not made there would be a much greater objection to be made re lack of unity. The structural element shared by all compounds falling under the general structure (I) is diaryl ether core-structure substituted with the carboxamido and amino functions. A further unifying feature conferring a technical relationship between the said alternatives is the use of the above-mentioned compound as medicaments to treat obesity. However, according to Rule 13.2 PCT the special technical features providing a link between the several alternatives must make contribution over the prior art. Since D1-D4 already disclose diaryl ethers substituted with the above-mentioned moieties and having the same uses as the present compounds, the above-mentioned requirement is not fulfilled.

Claims 28-31, 33-38 relate to subject-matter considered by this Authority to be covered by the provision of Rule 67.1(iv)PCT. Consequently, no opinion will be formulated with respect to the novelty, inventive step and industrial applicability of the subject-matter of these claims(Article 34(4)(a)(I)PCT).

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement **EXAMINATION REPORT - SEPARATE SHEET**

The opinion expressed below with regard to novelty, inventive step and industrial 1. applicability refers only to subject-matter for which an international search report has been drawn up (i.e. compounds of formula Ib-Claim 2- as well as for the compounds claimed by the present Claims 19-25)

2. Amendments (Article 19(2)PCT)

The amendments filed with the last set of claims (24.09.2004) relate to the deletion of definitions C2-C8alkylCH(OH)aryl, C2-C8alkylCH(OH)cycloalkyl, or C2-C8 alkylCH(OH)heterocyclyl C2-C8alkylCH(OH)aryl. Since the above-mentioned amendments relate to deletion of some terms from a list of possible definitions, these amendments fulfil the requirements of article 19(2)PCT. Claim 1 has been also amended to specify that one of R1 or R2 cannot be C1-C8 alkyl when the other one is hydrogen and that the group NR1R2 is not NHCH2phenyl. The above-mentioned amendments seem not to be disclosed in the application as originally filled, therefore they do not fulfill the requirements of article 19(2)PCT (the possibility that R1 and R2 are not simultaneously hydrogen was disclosed but this does not mean that the other one should be C1-C8 alkyl; the -NR1R2 cannot be -NHCH2phenyl was disclosed only for specific compounds-see description page 4-lines15-16 and not for all possible compounds claimed by Claim 1). Claim 1 was also amended by the introduction of a list of specific compounds which appears already to be disclosed in the description, as originally filed, examples section. New Claims 2, 40 and 41 were introduced with the last set of claims (24.09.2004). The current Claim 2, claims compounds of formula lb, as disclosed in page 15 of the description, together with specific compounds, list of compounds which appears to be already disclosed in the description(examples section). The above-mentioned amendments seem thus to fulfil the requirements of Article 19(2)PCT. The Claims 3-39 are the same as Claims 2-38 as originally filed. Claims 40 and 41 relate to pharmaceutical compositions containing specific compounds. Support for the new claims 40 and 41 is provided in description (pages 22-38)

2. Reference is made to the following documents:

D1: EP-A-0827746 D2: WO-A-9710825 D3: WO-A-0206276 D4: EP-A-0921120

EXAMINATION REPORT - SEPARATE SHEET

D5: US-A-4891379 D6: US-B1-6436959 D7: WO-A-9967204 D8: WO-A-0040560

3. Novelty (Article 33(1) and 33(2) PCT).

The subject-matter of the present application relates to compounds of formula (I) (see present Claim 1) as opioid receptor antagonists, useful to treat or prevent obesity and related diseases.

The present compounds differ from the compounds disclosed by D5-D7 through the ether linkage between the 2 aryl moieties and from the compounds disclosed by D8 through the substituents R3 and R3' (see the present Claim 1 as well the Claims 1 of D5-D8).

The present compounds of formula (lb) are novel over the D2 compounds on the account that R1 and R2 cannot be simultaneously hydrogen.

D1, discloses also in page 16, compounds of formula XXIII which are present overlapping range with the present compounds, when R4 is a phenyl substituted with an OR10 moiety, X2 is a direct bond or a C2 alkylene, R10 being a phenyl or pyridyl moiety substituted with a CONR11R12 function (R11 and R12 are not hydrogen)(since only compounds for which v=2 and NR1R2 is not NHCH2phenyl were excluded by the provisio of the original Claim 1 and the corresponding amendment filed with the letter of 24.09.2004 was not allowable). Moreover, 4-(4-(N-benzyl-2-aminoethyl)phenoxy)nicotinamide, disclosed by D1 as preparation 93 (see the preparation description wherein 6-chloronicotinamide is used as reagent-D1-page 37-lines 35-41), is a novelty-destroying embodiment for the subject-matter of the present Claim 1.

The Markush intermediate structure III, disclosed by D3 (page 13, lines 1-7, 15-20), presents an overlap with the present claimed compounds, when X2 is oxygen(D3-page 11, line 29), X3 is a phenyl or pyridyl, substituted with a carboxamido function (see page 11 of D3-lines 1-7 and R2 is an alkyl moiety(see e.g. page 11, line 15)) (the provision that when one of R1 or R2 is hydrogen the other one cannot be a C1-C8 alkyl moiety filled with the letter of telefax of 24.09.2004, is not allowable since was not originally disclosed).

EXAMINATION REPORT - SEPARATE SHEET

The intermediate compounds of formula (XXIII), disclosed by D4 present an overlap with the present compounds, when R4 is a phenyl substituted with OR10 and R10 is a pyridiyl substituted with a CONR11R12 moiety(see D4 pages 4-8 and 14) (the povisio that -NR1R2 cannot be -NHCH2Phenyl for all the compounds of formula (ib) filed with the telefax of 24.09.2004 is not allowable).

Since, the documents D1, D3 and D4 disclose general structures which present overlapping regions with the present formula (I), the novelty for the present subject-matter cannot be acknowledged either for the compounds of formula (I) or for the compounds of formula (lb). However, the specific compounds claimed by the present Claims 19-25 are novel over the prior art.

Inventive step (Article 33(1) and 33(3)PCT) 4.

Since D1-D4 and D8 disclose structurally similar compounds, useful for the treatment of the same diseases(namely obesity and diabetes), it should be equally considered the closest prior art.

The end-products of D1-D4 are 4-carboxamid-diaryl ethers, which differ from the present compounds through the definitions of R1 and R2 (when X1 of D1, D2, D4 and X of D3 are a direct bond) and on the other hand through the definitions of the present R3, R3'. Moreover the compounds disclosed by D1-D4, D8 are betaamino alcohol derivatives.

Since the compounds disclosed by D1-D4, D8 known as being useful to treat obesity and diabetes via beta-3 adrenergic receptor contain all a betaaminoalcohol functionality (which cannot be the case for the present compounds since R3 and R3' are not a HO moiety) and the compounds disclosed by D5-D7 known as opioid ligands contain other core-structures as the present compounds (are not diaryl ethers), an inventive step can be acknowledged for the novel compounds claimed by the Claims 19-25 as well as for the corresponding pharmaceutical compositions and uses.

Industrial applicability (Article 33(4)PCT). 5.

For the assessment of the present Claims 28-31, 33-38 on the question whether they are industrial applicable, no unified criteria exist in the PCT Contracting

INTERNATIONAL PRELIMINARY

International application No. PCT/US 03/26300

EXAMINATION REPORT - SEPARATE SHEET

States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may also allow, however, claims to a known compound for the manufacture of a medicament for a new medical treatment.

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Replacement Sheet 4

Summary of the Invention

The present invention provides a compound of the formula (I)

$$R^{1} \longrightarrow (CR^{3}R^{3})_{v} \longrightarrow X_{5} \longrightarrow X_{4} \longrightarrow (R^{5})_{g} \longrightarrow (R^{6}R^{7})_{v} \longrightarrow (R^{6}R^{7})_{g} \longrightarrow (R^{5})_{g} \longrightarrow (R^{6}R^{7})_{g} \longrightarrow (R^{6}R^{7})_{g$$

wherein

each of X_1 , X_2 , X_3 , X_4 , X_5 , X_6 , X_7 , X_8 , X_9 and X_{10} is C, CH, or N; provided that each of rings A or B has no more than 2 nitrogen atoms;

E is O or NH;

v is 1, 2, or 3;

R¹ and R² are independently selected from hydrogen, C₁-C₅ alkyl, C₂-C₈ alkenyl, C₂-C₈ alkynyl, aryl, C3-C6 cycloalkyl, -C1-C10 alkylaryl, heterocyclyl, -C1-C10 alkylheterocyclic, -arylheterocyclyl, $-C_3-C_8$ cycloalkylheterocyclyl, $-C_1-C_8$ alkyl $C(O)C_1-C_8$ alkyl, aryl $C(O)C_1-C_8$ alkyl-, C_3-C_8 cycloalkyl $C(O)(CH_2)_{n-1}$, $-C_1-C_8$ alkylC(O)heterocyclic, $-C_1-C_8$ alkylC(O)aryl, aryloxy C_1 - C_8 alkyl-, benzhydryl, fused bicyclic, C_1 - C_8 alkylfused bicyclic, phenylC(O)-, phenylC(O) C₁-C₈ alkyl-, C₁-C₈ alkoxyC₁-C₈ alkyl-,-CO(O)C₁- C_8 alkyl, $-SO_2C_1-C_8$ alkyl, $-SO_2C_1-C_{10}$ alkylaryl, $-SO_2C_1-C_8$ alkylheterocyclic, $-C_1-C_8$ alkylcycloalkyl, -(CH₂)_nC(O)OR⁸, -(CH₂)_mC(O)NR⁸R⁸, and -(CH₂)_mNSO₂R⁸; wherein each of the alkyl, alkenyl, cycloalkyl, heterocyclic, and aryl groups are optionally substituted with one to five groups independently selected from halo, C1-C8 haloalkyl, C_1 - C_8 thioalkyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, -SO₂C₁-C₈ alkyl, -SO₂C₁-C₈ alkylaryl, -SO₂C₁-C₈ alkylheterocyclic, -C₁-C₈ alkylcycloalkyl, $-(CH_2)_nC(O)OR^8$, $-(CH_2)_nC(O)R^8$; and wherein R^1 and R^2 may optionally combine with each other, or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen-containing heterocycle which nitrogen containing heterocycle may further have substituents selected from the group consisting of amino, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, -CO(O)C1-C8 alkyl, halo, oxo, C1-C8 haloalkyl; and wherein R1 and R2 may

09/24/2004

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Replacement Sheet 5

independently attach to the A ring to form a 4, 5, 6, or 7-member nitrogen-containing bicyclic heterocycle which nitrogen-containing bicyclic heterocycle may further have substituents selected from the group consisting of oxo, amino, -C1-C8 alkyl, -C2-C8 alkenyl, $-C_2-C_8$ alkynyl, aryl, $-C_1-C_8$ alkylaryl, $-C(O)C_1-C_8$ alkyl, $-CO(O)C_1-C_8$ alkyl, halo, and C1-C8 haloalkyl;

and wherein R1 and R2 are not simultaneously hydrogen; and provided that when one of R^1 and R^2 is hydrogen the other is not C_1 - C_8 alkyl; and provided that the group NR^1R^2 is not -NHCH2Ph; and further provided that when one of R or R2 is -CH2CH2-optionally substituted phenyl or -CH2CH2-optionally substituted naphthyl, or -CH2CH2-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, and v is 1, then R^6 and R^7 are not simultaneously hydrogen;

R3 and R3 are each independently selected from hydrogen, C1-C8 alkyl, C2-C8 alkenyl, C2-C8 alkynyl, aryl, -C1-C8 alkylcycloalkyl, and -C1-C8 alkylaryl;

 \mathbb{R}^4 and \mathbb{R}^5 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, - C_2 - C_8 alkynyl, - C_1 - C_8 alkoxyalkyl, C_1 - C_8 thioalkyl, halo, C_1 - C_8 haloalkyl, - C_1 - C_8 alkoxyhaloalkyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, or - $C(O)OC_1$ - C_8 alkyl, - C_1 - C_8 alkylamino, - C_1 - C_8 alkylcycloalkyl, - $(CH_2)_mC(O)C_1$ - C_8 alkyl, and $(CH_2)_nNR^8R^8$, wherein each R4 or R5 is attached to its respective ring only at carbon atoms, and wherein y is 0, 1, 2, or 3; and wherein z is 0, 1, 2, or 3;

 R^6 and R^7 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, $-C(O)C_1-C_8$ alkyl, hydroxy, C_1-C_8 alkoxy, $-SO_2C_1-C_8$ alkyl, $SO_2C_1-C_8$ alkylaryl, -SO₂C₁-C₈ alkylheterocyclic, aryl, -C₁-C₈ alkylaryl, C₃-C₇ cycloalkyl, -C₁-C₆ alkylcycloalkyl, -(CH₂)_nC(O)R⁸, -(CH₂)_mC(O)NR⁸R⁸, and -(CH₂)_mNSO₂R⁸; wherein each of the alkyl, alkenyl, and aryl groups are optionally substituted with one to five groups independently selected from C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, and C_1 - C_8 alkylaryl; and wherein R⁶ and R⁷ may independently combine with each other, and with the nitrogen atom to which they are attached or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen containing heterocycle which nitrogen-containing heterocycle may optionally have substituents selected from the group consisting of oxo, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, - C_1 - C_8 alkylaryl, - $C(Q)C_1$ - C_8 alkyl, -

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 $CO(O)C_1-C_8$ alkyl, hydroxy, C_1-C_8 alkoxy, $-C_1-C_8$ alkylamine, amino, halo, and haloalkyl;

R⁸ is hydrogen, C₁-C₈ alkyl, C₂-C₈ alkenyl, C₁-C₈ alkylaryl, -C(O)C₁-C₈ alkyl, or -

 $C(0)OC_1$ - C_8 alkyl; and wherein n is 0, 1, 2, 3 or 4 and m is 1, 2, or 3;

or a compound selected from the group consisting of:

6-[4-(3-Pentylamino-propyl)-phenoxy]-nicotinamide,

6-[4-(1-]Methyl-2-pentylamino-ethyl)-phenoxy]-nicotinamide,

6-[2-Methyl-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-[2-F]uoro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-[2-Chloro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-[2-Ethoxy-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-{4-[(3_3-Dimethyl-butylamino)-methyl]-2-methyl-phenoxy}-nicotinamide,

6-(4-Butylaminomethyl-2-methyl-phenoxy)-nicotinamide,

6-(2-Methyl-4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-nicotinamide,

3-Fluoro-4-{2-methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,

6-(4-Allylaminomethyl-phenoxy)-nicotinamide,

6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide,

6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinamide,

6-[4-((3-Methyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide,

6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide,

6-[4-(Butylamino-methyl)-2-ethoxyphenoxy]nicotinamide,

6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinonamide,

5-{4-[(3-Methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,5-{2-Methyl-4-

[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,

5-{2-Fluoro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-

Methyl-4-[(3-methylbutylamino)methyl]phenoxy)pyrazine-2-carboxamide,

5-(2-Fluoro-4-pentylaminomethylphenoxy)pyridine-2-carboxamide,

5-{2-Chloro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,

5-(2-Chloro-4-(pentylaminomethyl)phenoxy)pyridine-2-carboxamide,

6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,

Replacement Sheet 7

- 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide,
- 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methylphenoxy}pyrazine-2-carboxamide, 5-
- {4-[(3-Methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate, 6-{4-[(2-
- Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 4-[5-(Isobutylamino-methyl)-pyridin-2-yloxy]-benzamide,
- 4-{5-[(3,3-Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide
- 4-{5-[(3-Methyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 4-{5-[(3,3-Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 4-{5-[(3-Methyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 6-{2-Choloro-4-[(3,3-dimethylbutylamino)-methyl]-phenoxy}-nicotinamide,
- 3-Bromo-4-(5-pentylaminomethyl-pyridin-2-yloxy)-benzamide,
- 3-Bromo-4-{5-[(3,3-dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 3-Methoxy-4-(5-pentylaminomethyl-pyridin-2-yloxy)-benzamide,
- 4-{5-[(3,3-Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-3-methoxy-benzamide,
- 4-{2-Methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-{3-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide, 4-{2-Ethoxy-4-
- [(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{3-Chloro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{3-Chloro-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,

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- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phonoxy]-nicotinamide,
- 6-[4-(tert-butylamino methyl)-2-fluoro phenoxy] nicotinonamide,
- 6-(4-Ethylaminomethyl-2-fluoro-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-propylaminomethyl-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-hexylaminomethyl-phenoxy)-nicotinamide,
- 6-[2-Fluoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 6-[2-Fluoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 2-Fluoro-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methoxy-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 2-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-{4-[3-methylbutylamino)-methyl]phenoxy}-benzamide,
- 3-Fluoro-4-[4-[(3,3-Dimethyl-butylamino)-methy]-phenoxy}-3-fluoro-benzamide,
- 3-Fluoro-4-(4-pentylaminomethyl-phenoxy)-benzamide,
- 3,5-Difluoro-4-{4-[3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 3,5-Difluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 4-{2-Chloro-4-[(3,3-dimethyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-{2-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-(2-Chloro-4-pentylaminomethyl-phenoxy)-benzamide,
- 6-[4-(2-Methylamino-ethyl)-phenoxy]-nicotinamide,

Replacement Sheet 8a

- 4-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-trifluoromethyl-phenoxy}-benzamide,
- 3-Chloro-4-(3-methoxy-4-pentylaminomethyl-phenoxy)-benzamide,
- 3-Bromo-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Bromo-4-(3-pentylaminomethyl-phenoxy)-benzamide,
- 6-(2,3-Difluoro-4-pentylaminomethyl-phenoxy)-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-fluoro-6-methoxy-phonoxy}-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamine)-methyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-{2,6-Difluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{2,3,6-Trifluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{3-[(2-Cyclohexyl-ethylamino)-methyl]-2-methyl-phenoxy}-nicotinamide,
- 6-[2-Isopropyl-3-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 5-(2-Methoxy-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridazine-3-carboxamide,
- 6-(2-Methoxy-4-propylaminomethylphenoxy)nicotinamide,
- 6-[4-(Isobutylaminomethyl)-2-methoxyphenoxy]nicotinamide,
- 6-{4-[(2,2-Dimethylpropylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
- 5-{2-Fluoro-4-[(4-methylpentylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-hexylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyridazine-3-carboxamide,
- 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide,
- (6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-pyridin-3-yl)-piperidin-1-yl-methanone,
- N-Methyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- N-Ethyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- N-Isopropyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,

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5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
5-{4-[(4,4-Dimethylpentylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide,
and

5-{4-[(3-Ethylpentylamino)methyl]-2-methoxyphenoxy)pyrazine-2-carboxamide; or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomer or mixture of diastereomers thereof.

The present invention also relates to a compound of formula Ib

wherein

each X is independently C, CH, or N; provided that ring B has no more than 2 nitrogen atoms;

v is 1, 2, or 3;

 R^1 and R^2 are independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, C_3 - C_8 cycloalkyl, $-C_1$ - C_{10} alkylaryl, heterocyclyl, $-C_1$ - C_{10} alkylheterocyclic, arylheterocyclyl, $-C_3$ - C_8 cycloalkylheterocyclyl, $-C_1$ - C_8 alkylC(O) alkylheterocyclic, arylheterocyclyl, $-C_3$ - C_8 cycloalkylC(O) (CH_2)_n-, $-C_1$ - C_8 alkylC(O) heterocyclic, $-C_1$ - C_8 alkylC(O) aryl, aryloxy C_1 - C_8 alkyl-, benzhydryl, fused bicyclic, C_1 - C_8 alkyl-,- C_9 alkyl-,-C

CO (

Replacement Sheet 8b

substituted with one to five groups independently selected from halo, C₁-C₈ haloalkyl, C₁-C₈ alkyl, C₂-C₈ alkenyl, aryl, -C₁-C₈ alkylaryl, -C(O)C₁-C₈ alkyl, -SO₂C₁-C₈ alkylaryl, -SO₂C₁-C₈ alkyleterocyclic, -C₁-C₈ alkylcycloalkyl, -(CH₂)_nC(O)OR⁸, -(CH₂)_nC(O)R⁸; and wherein R¹ and R² may optionally combine with each other, or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen-containing heterocycle which nitrogen - containing heterocycle may further have substituents selected from the group consisting of amino, C₁-C₈ alkyl, C₂-C₈ alkenyl, C₂-C₈ alkynyl, aryl, C₁-C₈ alkylaryl, -C(O)C₁-C₈ alkyl, -CO(O)C₁-C₈ alkyl, halo, oxo, C₁-C₈ haloalkyl; and wherein R¹ and R² may independently attach to the A ring to form a 4, 5, 6, or 7-member nitrogen-containing bicyclic heterocycle which nitrogen-containing bicyclic heterocycle may further have substituents selected from the group consisting of oxo, amino, -C₁-C₈ alkyl, -C₂-C₈ alkynyl, aryl, -C₁-C₈ alkyl, -C₂-C₈ alkynyl, aryl, -C₁-C₈ alkyl, -C₂-C₈ alkyl, -C₂-C₈ alkyl, -C₂-C₈ alkyl, -C₂-C₈ alkyl, -C₁-C₈ alkyl, and C₁-C₈ haloalkyl;

and wherein R¹ and R² are not simultaneously hydrogen; and provided that when one of R¹ and R² is hydrogen the other is not C₁-C₈ alkyl; and provided that the group NR¹R² is not -NHCH₂Ph; and further provided that when one of R¹ or R² is -CH₂CH₂-optionally substituted phenyl or -CH₂CH₂-optionally substituted naphthyl, or -CH₂CH₂-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, and v is 1, then R⁶ and R⁷ are not simultaneously hydrogen;

 R^3 and R^3 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkylyl, aryl, $-C_1$ - C_8 alkylcycloalkyl, and $-C_1$ - C_8 alkylaryl;

 R^4 and R^5 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, - C_2 - C_8 alkynyl, - C_1 - C_8 alkoxyalkyl, C_1 - C_8 thioalkyl, halo, C_1 - C_8 haloalkyl, - C_1 - C_8 alkoxyhaloalkyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, or - $C(O)OC_1$ - C_8 alkyl, - C_1 - C_8 alkylamino, - C_1 - C_8 alkylcycloalkyl, - $(CH_2)_mC(O)C_1$ - C_8 alkyl, and $(CH_2)_nNR^8R^8$, wherein each R^4 or R^5 is attached to its respective ring only at carbon atoms, and wherein y is 0, 1, 2, or 3; and wherein z is 0, 1, 2, or 3;

R⁶ and R⁷ are each independently selected from hydrogen, C₁-C₈ alkyl, C₂-C₈ alkenyl, C₂-C₈ alkynyl, -C(O)C₁-C₈ alkyl, hydroxy, C₁-C₈ alkoxy, -SO₂C₁-C₈ alkyl, SO₂C₁-C₈

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Replacement Sheet 8c

alkylaryl, -SO₂C₁-C₈ alkylheterocyclic, aryl, -C₁-C₈ alkylaryl, C₃-C₇ cycloalkyl, -C₁-C₆ alkyleycloalkyl, $-(CH_2)_nC(O)R^8$, $-(CH_2)_mC(O)NR^8R^8$, and $-(CH_2)_mNSO_2R^8$; wherein each of the alkyl, alkenyl, and aryl groups are optionally substituted with one to five groups independently selected from C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, and C_1 - C_8 alkylaryl; and wherein R^6 and R^7 may independently combine with each other, and with the nitrogen atom to which they are attached or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen containing heterocycle which nitrogen-containing heterocycle may optionally have substituents selected from the group consisting of oxo, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, $-C_1$ - C_8 alkylaryl, $-C(O)C_1$ - C_8 alkyl, $-C_8$ alkyl $CO(O)C_1$ - C_8 alkyl, hydroxy, C_1 - C_8 alkoxy, $-C_1$ - C_8 alkylamine, amino, halo, and haloalkyl;

 \mathbb{R}^8 is hydrogen, \mathbb{C}_1 - \mathbb{C}_8 alkyl, \mathbb{C}_2 - \mathbb{C}_8 alkenyl, \mathbb{C}_1 - \mathbb{C}_8 alkyl, or -

 $C(0)OC_1$ - C_8 alkyl; and wherein n is 0, 1, 2, 3 or 4 and m is 1, 2, or 3;

or a compound selected from the group consisting of:

6-[4-(3-Pentylamino-propyl)-phenoxy]-nicotinamide,

6-[4-(1-Methyl-2-pentylamino-ethyl)-phenoxy]-nicotinamide,

6-[2-Methyl-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-[2-Fluoro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-[2-Chloro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-[2-Ethoxy-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide,

6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-methyl-phenoxy}-nicotinamide,

6-(4-Butylaminomethyl-2-methyl-phenoxy)-nicotinamide,

6-(2-Methyl-4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-nicotinamide,

3-Fluoro-4-{2-methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,

6-(4-Allylaminomethyl-phenoxy)-nicotinamide,

6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxylnicotinamide,

6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinamide,

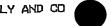
6-[4-((3-Methyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide,

6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide,

6-14-(Butylamino-methyl)-2-ethoxyphenoxy]nicotinamide,

Replacement Sheet 8d

- 6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinonamide,
- 5-{4-[(3-Methylbutylamino)methyl]phcnoxy}pyridine-2-carboxamide,5-{2-Methyl-4-
- [(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-
- Methyl-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyridine-2-carboxamide,
- 5-{2-Chloro-4-[(3-methylbutylamino)methyl]phenoxy)pyridine-2-carboxamide,
- 5-(2-Chloro-4-(pentylaminomethyl)phenoxy)pyridine-2-carboxamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide,
- 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy)nicotinamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methylphenoxy}pyrazine-2-carboxamide, 5-
- {4-[(3-Methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate, 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 6-{2-Choloro-4-[(3,3-dimethylbutylamino)-methyl]-phenoxy}-nicotinamide,
- 4-{2-Methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-{3-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide, 4-{2-Ethoxy-4-
- [(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-cthyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{3-Chloro-4-[2-(3-methyl-butylamino)-cthyl]-phenoxy}-nicotinamide,



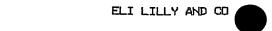
Replacement Sheet 8e

- 6-{3-Chloro-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,

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- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,3-Dimethyl-butylamino)-cthyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[4-(tert-butylamino methyl)-2-fluoro phenoxy] nicotinonamide,
- 6-(4-Ethylaminomethyl-2-fluoro-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-propylaminomethyl-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-hexylaminomethyl-phenoxy)-nicotinamide,
- 6-[2-F]uoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 6-[2-Fluoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 2-Fluoro-4- {4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methoxy-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 2-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-{4-[3-methylbutylamino)-methyl]phenoxy}-benzamide,
- 3-Fluoro-4-{4-[(3,3-Dimethyl-butylamino)-methy]-phenoxy}-3-fluoro-benzamide,
- 3-Fluoro-4-(4-pentylaminomethyl-phenoxy)-benzamide,
- 3,5-Difluoro-4-{4-[3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 3,5-Difluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 4-{2-Chloro-4-[(3,3-dimethyl-butylamino)-methyl]-phenoxy}-benzamide,

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Replacement Sheet 8f

- 4-{2-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-(2-Chloro-4-pentylaminomethyl-phenoxy)-benzamide,
- 6-[4-(2-Methylamino-ethyl)-phenoxy]-nicotinamide,
- 4-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-trifluoromethyl-phenoxy}-benzamide,
- 3-Chloro-4-(3-methoxy-4-pentylaminomethyl-phenoxy)-benzamide,
- 3-Bromo-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Bromo-4-(3-pentylaminomethyl-phenoxy}-benzamide,
- 6-(2,3-Difluoro-4-pentylaminomethyl-phenoxy)-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-fluoro-6-methoxy-phenoxy}-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-{2,6-Difluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{2,3,6-Trifluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{3-[(2-Cyclohexyl-ethylamino)-methyl]-2-methyl-phenoxy}-nicotinamide,
- 6-[2-Isopropyl-3-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 5-(2-Methoxy-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridazine-3-carboxamide,
- 6-(2-Methoxy-4-propylaminomethylphenoxy)nicotinamide,
- 6-[4-(Isobutylaminomethyl)-2-methoxyphenoxy]nicotinamide,
- 6-{4-[(2,2-Dimethylpropylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
- 5-{2-Fluoro-4-[(4-methylpentylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-hexylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyridazine-3-carboxamide,
- 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyrazins-2-carboxamide,

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Replacement Sheet 8g

(6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-pyridin-3-yl)-piperidin-1-ylmethanone,

N-Methyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,

N-Ethyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,

N-Isopropyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,

5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,

5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,

5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,

5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,

5-{4-[(4,4-Dimethylpentylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide, and

5-{4-[(3-Ethylpentylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide; or a pharmaccutically acceptable salt, solvate, enantiomer, racemate, diastereomer or mixture of diastereomers thereof.

The present invention also provides a method for the prevention, treatment and/or amelioration of the symptoms of obesity and Related Diseases comprising administering a therapeutically effective amount of a compound of formula II to a patient in need thereof wherein formula II is represented by the structure

$$R^{1} \longrightarrow (CR^{33}R^{3b})_{v} \longrightarrow (X_{1} \longrightarrow X_{2} \longrightarrow X_{3} \longrightarrow X_{5} \longrightarrow X_{5} \longrightarrow (II)$$

wherein

each of $X_{1'}$, $X_{2'}$, $X_{3'}$, $X_{4'}$, $X_{5'}$, $X_{6'}$, $X_{7'}$, $X_{8'}$, $X_{9'}$ and $X_{10'}$ is C, CH, or N; provided that each of rings A? or B' has no more than 2 nitrogen atoms; E' is O or NH;

v is 0, 1, 2 or 3;

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Replacement Sheet 8h

R1 and R2 are independently selected from hydrogen, C1-C8 alkyl, C2-C8 alkenyl, C2-C8 alkynyl, aryl, C3-C8 cycloalkyl, -C1-C10 alkylaryl, heterocyclyl, -C1-C10 alkylheterocyclic, -arylheterocyclyl, - C_3 - C_8 cycloalkylheterocyclyl, - C_1 - C_8 alkylC(O) C_1 - C_8 alkyl, aryl $C(O)C_1-C_8$ alkyl-, C_3-C_8 cycloalkyl $C(O)(CH_2)_{n^-}$, $-C_1-C_8$ alkylC(O)heterocyclic, $-C_1-C_8$ alkylC(O)aryl, aryloxyC1-C8 alkyl-, benzhydryl, fused bicyclic, C1-C8 alkylfused bicyclic, phenylC(O)-, phenylC(O) C_1 - C_8 alkyl-, C_1 - C_8 alkoxy C_1 - C_8 alkyl-,-CO(O) C_1 - C_8 alkyl, - SO_2C_1 - C_8 alkyl, - SO_2C_1 - C_{10} alkylaryl, - SO_2C_1 - C_8 alkylheterocyclic, - C_1 - C_8 alkyleyeloalkyl, -(CH₂)_nC(O)OR⁸, -(CH₂)_nC(O)R⁸, -(CH₂)_mC(O)NR⁸R⁸, and -(CH₂)_mNSO₂R⁸; wherein each of the alkyl, alkenyl, cycloalkyl, heterocyclic, and aryl groups are optionally substituted with one to five groups independently selected from halo, C_1 - C_8 haloalkyl, C_1 - C_8 thioalkyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, - C_1 - C_8 alkylaryl, $-C(O)C_1-C_8 \text{ alkyl, } -CO(O)C_1-C_8 \text{ alkyl, } -SO_2C_1-C_8 \text{ alkyl, } -SO_2C_1-C_8 \text{ alkylaryl, } -SO_2C_1-C_8 \text{ alkylaryl$ alkylheterocyclic, $-C_1-C_8$ alkylcycloalkyl, $-(CH_2)_nC(O)OR^8$, $-(CH_2)_nC(O)R^8$; and wherein R1 and R2 may optionally combine with each other, or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen-containing heterocycle which nitrogen -containing heterocycle may further have substituents selected from the group consisting of amino, C1-C8 alkyl, C2-C8 alkenyl, C2-C8 alkynyl, aryl, C1-C8 alkylaryl, - $C(O)C_1-C_8$ alkyl, $-CO(O)C_1-C_8$ alkyl, halo, oxo, C_1-C_8 haloalkyl; and wherein $R^{1'}$ and $R^{2'}$ may independently attach to the A' ring to form a 4, 5, 6, or 7-member nitrogencontaining bicyclic heterocycle which nitrogen-containing bicyclic heterocycle may further have substituents selected from the group consisting of oxo, amino, -C1-C8 alkyl, - C_2 - C_8 alkenyl, $-C_2$ - C_8 alkynyl, aryl, $-C_1$ - C_8 alkylaryl, $-C(O)C_1$ - C_8 alkyl, $-CO(O)C_1$ - C_8 alkyl, halo, and C1-C8 haloalkyl; provided that R1 and R2 are not simultaneously hydrogen; and provided that when v is 2, and R3a and R3b are both hydrogen or CH3, and both A' and B' rings are phenyl, then the group -NR'R2' is not -NHCH2Phenyl; and further provided that when one of R1' or R2' is -CH2CH2-optionally substituted phenyl or -CH₂CH₂-optionally substituted naphthyl, or -CH₂CH₂-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, and v is 1, then R^6 and R^7 are not simultaneously hydrogen;



Replacement Sheet 8i

R^{3a} and R^{3b} are each independently selected from hydrogen, C₁-C₈ alkyl, C₂-C₈ alkenyl, C2-C3 alkynyl, aryl, -C1-C8 alkylcycloalkyl, aryl, and -C1-C8 alkylaryl; R4 and R5 are each independently selected from hydrogen, C1-C8 alkyl, C2-C8 alkenyl, -C2-C8 alkynyl, -C1-C8 alkoxyalkyl, C1-C8 thioalkyl, halo, C1-C8 haloalkyl, -C1-C8 alkoxyhaloalkyl, aryl, $-C_1-C_8$ alkylaryl, $-C(O)C_1-C_8$ alkyl, or $-C(O)OC_1-C_8$ alkyl, $-C_1-C_8$ alkylamino, - C_1 - C_8 alkyleyeloalkyl, - $(CH_2)_mC(O)C_1$ - C_8 alkyl, and - $(CH_2)_nNR^8R^8$, wherein each R4 and R5 is attached to its respective ring only at carbon atoms, and wherein y is 0, 1, 2, or 3; and wherein z is 0, 1, 2, or 3; R⁶ and R⁷ are each independently selected from hydrogen, C₁-C₈ alkyl, C₂-C₈ alkenyl, C_2 - C_8 alkynyl, -C(O) C_1 - C_8 alkyl, hydroxy, C_1 - C_8 alkoxy, -SO₂ C_1 - C_8 alkyl, SO₂ C_1 - C_8 alkylaryl, -SO₂C₁-C₈ alkylheterocyclic, aryl, -C₁-C₈ alkylaryl, C₃-C₇ cycloalkyl, -C₁-C₆ alkylcycloalkyl, -(CH₂) $_n$ C(O)R⁸, -(CH₂) $_m$ C(O)NR⁸R⁸, and -(CH₂) $_m$ NSO₂R⁸; wherein each of the alkyl, alkenyl, and aryl groups are optionally substituted with one to five groups independently selected from C1-C8 alkyl, C2-C8 alkenyl, aryl, and C1-C8 alkylaryl; and wherein R6 and R7 may independently combine together, and with the nitrogen atom to which they are attached or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen containing heterocycle which nitrogen containing heterocycle may further have substituents selected from the group consisting of C1-C8 alkyl, C2-C8 alkenyl, C_2 - C_8 alkynyl, phenyl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, - $CO(O)C_1$ - C_8 alkyl, hydroxy, -C1-C8 alkoxy, halo, and haloalkyl; R^8 is hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, or -C(0)OC1-C8 alkyl; wherein n is 0, 1, 2, 3 or 4 and wherein m is 1, 2 or 3; or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomers or mixtures thereof.

The present invention also provides a pharmaceutical formulation comprising a compound of formula I or II in association with a carrier, diluent and/or excipient.

The present invention also relates to a method for the treatment and/or prophylaxis of obesity and Related Diseases including eating disorders (bulimia, anorexia nervosa, etc.), diabetes, diabetic complications, diabetic retinopathy, sexual/reproductive disorders, depression related to obesity, anxiety related to obesity, epileptic seizure,

Replacement Sheet 8j

hypertension, cerebral hemorrhage, congestive heart failure, sleeping disorders, atherosclerosis,, stroke, hyperlipidemia, hypertriglycemia, hyperglycemia, hyperlipoproteinemia, substance abuse, drug overdose, compulsive behavior disorders (such as paw licking in dog), and addictive behaviors such as for example, gambling, and alcoholism, comprising administering a therapeutically effective amount of a compound of formula I or formula II or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomer or mixture of diastereomers thereof.

The present invention provides a compound of formula (I) or (II) useful for the manufacture of a medicament for the treatment, prevention and/or amelioration of symptoms associated with obesity and Related Diseases.

In another embodiment, the present invention provides a compound of formula I or II or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomer or mixtures thereof, useful as an appetite suppressant.

In another embodiment, the present invention provides a method of achieving weight loss while maintaining or minimizing the loss of lean muscle mass, comprising administering a compound of formula I or II or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomer or mixtures thereof, to a patient in need thereof.

REPLACEMENT CLAIMS



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We claim:

1. A compound of formula (I)

wherein

each of X_1 , X_2 , X_3 , X_4 , X_5 , X_6 , X_7 , X_8 , X_9 and X_{10} is C, CH, or N; provided that each of rings A or B has no more than 2 nitrogen atoms;

E is O or NH;

v is 1, 2, or 3;

 R^1 and R^2 are independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, C_3 - C_8 cycloalkyl, $-C_1$ - C_{10} alkylaryl, heterocyclyl, $-C_1$ - C_{10} alkylheterocyclic, -arylheterocyclyl, - C_3 - C_8 cycloalkylheterocyclyl, - C_1 - C_8 alkyl $C(O)C_1$ - C_8 alkyl, aryl $C(O)C_1-C_8$ alkyl-, C_3-C_8 cycloalkyl $C(O)(CH_2)_n$ -, $-C_1-C_8$ alkylC(O)heterocyclic, $-C_1-C_8$ alkylC(O)aryl, aryloxyC1-C8 alkyl-, benzhydryl, fused bicyclic, C1-C8 alkylfused bicyclic, $phenyIC(O)-, phenyIC(O) \ C_1-C_8 \ alkyl-, \ C_1-C_8 \ alkoxyC_1-C_8 \ alkyl-, -CO(O)C_1-C_8 alkyl-, -CO(O)$ SO_2C_1 - C_8 alkyl, - SO_2C_1 - C_{10} alkylaryl, - SO_2C_1 - C_8 alkylheterocyclic, - C_1 - C_8 alkylcycloalkyl, $-(CH_2)_nC(O)OR^8$, $-(CH_2)_mC(O)NR^8R^8$, and $-(CH_2)_mNSO_2R^8$; wherein each of the alkyl, alkenyl, cycloalkyl, heterocyclic, and aryl groups are optionally substituted with one to five groups independently selected from halo, C1-C8 haloalkyl, C1- C_8 thioalkyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, $-C_1$ - C_8 alkylaryl, $-C(O)C_1$ - C_8 alkyl, $-C_8$ alkyl, - SO_2C_1 - C_8 alkyl, - SO_2C_1 - C_8 alkylaryl, - SO_2C_1 - C_8 alkylheterocyclic, - C_1 - C_8 alkylcycloalkyl, $-(CH_2)_nC(O)OR^8$, $-(CH_2)_nC(O)R^8$; and wherein R^1 and R^2 may optionally combine with each other, or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen-containing heterocycle which nitrogen -containing heterocycle may further have substituents selected from the group consisting of amino, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, - $CO(O)C_1$ -C₈ alkyl, halo, oxo, C_1 -C₈ haloalkyl; and wherein R^1 and R^2 may independently



REPLACEMENT CLAIMS



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attach to the A ring to form a 4, 5, 6, or 7-member nitrogen-containing bicyclic heterocycle which nitrogen-containing bicyclic heterocycle may further have substituents selected from the group consisting of oxo, amino, $-C_1-C_8$ alkyl, $-C_2-C_8$ alkenyl, $-C_2-C_8$ alkynyl, aryl, $-C_1-C_8$ alkylaryl, $-C(O)C_1-C_8$ alkyl, $-CO(O)C_1-C_8$ alkyl, halo, and $-C_1-C_8$ haloalkyl;

and wherein R¹ and R² are not simultaneously hydrogen; and provided that when one of R¹ and R² is hydrogen the other is not C₁-C₈ alkyl; and provided that the group NR¹R² is not -NHCH₂Ph; and further provided that when one of R¹ or R² is -CH₂CH₂-optionally substituted phenyl or -CH₂CH₂-optionally substituted naphthyl, or -CH₂CH₂-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, and v is 1, then R⁶ and R⁷ are not simultaneously hydrogen;

 R^3 and $R^{3'}$ are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkyleycloalkyl, and $-C_1$ - C_8 alkyleycloalkyl, and $-C_1$ - C_8 alkyleycloalkyl;

 R^4 and R^5 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, - C_2 - C_8 alkynyl, - C_1 - C_8 alkoxyalkyl, C_1 - C_8 thioalkyl, halo, C_1 - C_8 haloalkyl, - C_1 - C_8 alkoxyhaloalkyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, or - $C(O)OC_1$ - C_8 alkyl, - C_1 - C_8 alkylamino, - C_1 - C_8 alkylcycloalkyl, - $(CH_2)_mC(O)C_1$ - C_8 alkyl, and $(CH_2)_nNR^8R^8$, wherein each R^4 or R^5 is attached to its respective ring only at carbon atoms, and wherein y is 0, 1, 2, or 3; and wherein z is 0, 1, 2, or 3;

 R^6 and R^7 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, -C(O) C_1 - C_8 alkyl, hydroxy, C_1 - C_8 alkoxy, -SO $_2$ C $_1$ - C_8 alkyl, SO $_2$ C $_1$ - C_8 alkylaryl, -SO $_2$ C $_1$ - C_8 alkylheterocyclic, aryl, -C $_1$ - C_8 alkylaryl, C_3 - C_7 cycloalkyl, -C $_1$ - C_6 alkylcycloalkyl, -(CH $_2$) $_n$ C(O) R^8 , -(CH $_2$) $_n$ C(O)NR 8 R 8 , and -(CH $_2$) $_n$ NSO $_2$ R 8 ; wherein each of the alkyl, alkenyl, and aryl groups are optionally substituted with one to five groups independently selected from C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, and C_1 - C_8 alkylaryl; and wherein R^6 and R^7 may independently combine with each other, and with the nitrogen atom to which they are attached or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen containing heterocycle which nitrogen-containing heterocycle may optionally have substituents selected from the group consisting of oxo, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, hydroxy, C_1 - C_8 alkoxy, - C_1 - C_8 alkylamine, amino, halo, and haloalkyl;



REPLACEMENT CLAIMS



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 \mathbb{R}^8 is hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_1 - C_8 alkyl, or - $C(O)OC_1$ - C_8 alkyl; and wherein n is 0, 1, 2, 3 or 4 and m is 1, 2, or 3; or a compound selected from the group consisting of: 6-[4-(3-Pentylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(I-Methyl-2-pentylamino-ethyl)-phenoxy]-nicotinamide, 6-[2-Methyl-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Fluoro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Chloro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Ethoxy-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-methyl-phenoxy}-nicotinamide, 6-(4-Butylaminomethyl-2-methyl-phenoxy)-nicotinamide, 6-(2-Methyl-4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-nicotinamide, 3-Fluoro-4-{2-methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide, 6-(4-Allylaminomethyl-phenoxy)-nicotinamide, 6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinamide, 6-[4-((3-Methyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-(Butylamino-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinonamide, 5-{4-[(3-Methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,5-{2-Methyl-4-[(3methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Methoxy-4-[(3methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Fluoro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Methyl-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide, 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyridine-2-carboxamide, 5-{2-Chloro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-(2-Chloro-4-(pentylaminomethyl)phenoxy)pyridine-2-carboxamide, 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide, 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide. 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide,

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REPLACEMENT CLAIMS



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- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methylphenoxy}pyrazine-2-carboxamide, 5-
- {4-[(3-Methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate, 6-{4-[(2-

Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,

- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 4-[5-(Isobutylamino-methyl)-pyridin-2-yloxy]-benzamide,
- 4-{5-[(3,3-Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide
- 4-{5-[(3-Methyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 4-{5-[(3,3-Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 4-{5-[(3-Methyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 6-{2-Choloro-4-[(3,3-dimethylbutylamino)-methyl]-phenoxy}-nicotinamide,
- 3-Bromo-4-(5-pentylaminomethyl-pyridin-2-yloxy)-benzamide,
- 3-Bromo-4-{5-[(3,3-dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide,
- 3-Methoxy-4-(5-pentylaminomethyl-pyridin-2-yloxy)-benzamide,
- 4-{5-[(3,3-Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-3-methoxy-benzamide,
- 4-{2-Methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-{3-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide, 4-{2-Ethoxy-4-
- [(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{3-Chloro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{3-Chloro-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide,





REPLACEMENT CLAIMS



- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[4-(tert-butylamino methyl)-2-fluoro phenoxy] nicotinonamide,
- 6-(4-Ethylaminomethyl-2-fluoro-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-propylaminomethyl-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-hexylaminomethyl-phenoxy)-nicotinamide,
- 6-[2-Fluoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 6-[2-Fluoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 2-Fluoro-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methoxy-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 2-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-[4-[3-methylbutylamino)-methyl]phenoxy}-benzamide,
- 3-Fluoro-4-{4-[(3,3-Dimethyl-butylamino)-methy]-phenoxy}-3-fluoro-benzamide,
- 3-Fluoro-4-(4-pentylaminomethyl-phenoxy)-benzamide,
- 3,5-Difluoro-4-{4-[3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 3,5-Difluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 4-{2-Chloro-4-[(3,3-dimethyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-{2-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-(2-Chloro-4-pentylaminomethyl-phenoxy)-benzamide,
- 6-[4-(2-Methylamino-ethyl)-phenoxy]-nicotinamide,
- 4-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-trifluoromethyl-phenoxy}-benzamide,
- 3-Chloro-4-(3-methoxy-4-pentylaminomethyl-phenoxy)-benzamide,
- 3-Bromo-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,



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REPLACEMENT CLAIMS



- 3-Bromo-4-(3-pentylaminomethyl-phenoxy)-benzamide,
- 6-(2,3-Difluoro-4-pentylaminomethyl-phenoxy)-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-fluoro-6-methoxy-phenoxy}-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-{2,6-Difluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{2,3,6-Trifluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotmamide,
- 6-{3-[(2-Cyclohexyl-ethylamino)-methyl]-2-methyl-phenoxy}-nicotinamide,
- 6-[2-Isopropyl-3-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 5-(2-Methoxy-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridazine-3-carboxamide,
- 6-(2-Methoxy-4-propylaminomethylphenoxy)nicotinamide,
- 6-[4-(Isobutylaminomethyl)-2-methoxyphenoxy]nicotinamide,
- 6-{4-[(2,2-Dimethylpropylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
- 5-{2-Fluoro-4-[(4-methylpentylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-hexylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyridazine-3-carboxamide,
- 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide,
- (6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-pyridin-3-yl)-piperidin-1-ylmethanone,
- N-Methyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- N-Ethyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- N-Isopropyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,



REPLACEMENT CLAIMS



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5-{4-[(4,4-Dimethylpentylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide, and

5-{4-[(3-Ethylpentylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide; or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomer or mixture of diastereomers thereof.

2. A compound of formula Ib

wherein

each X is independently C, CH, or N; provided that ring B has no more than 2 nitrogen atoms;

v is 1, 2, or 3;



REPLACEMENT CLAIMS



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heterocycle may further have substituents selected from the group consisting of amino, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, C_1 - C_8 alkylaryl, $-C(O)C_1$ - C_8 alkyl, halo, oxo, C_1 - C_8 haloalkyl; and wherein R^1 and R^2 may independently attach to the A ring to form a 4, 5, 6, or 7-member nitrogen-containing bicyclic heterocycle which nitrogen-containing bicyclic heterocycle may further have substituents selected from the group consisting of oxo, amino, $-C_1$ - C_8 alkyl, $-C_2$ - C_8 alkenyl, $-C_2$ - C_8 alkynyl, aryl, $-C_1$ - C_8 alkylaryl, $-C(O)C_1$ - $-C_8$ alkyl, $-C(O)C_1$ - $-C_8$ alkyl, halo, and $-C_1$ - $-C_8$ haloalkyl;

and wherein R^1 and R^2 are not simultaneously hydrogen; and provided that when one of R^1 and R^2 is hydrogen the other is not C_1 - C_8 alkyl; and provided that the group NR^1R^2 is not—NHCH₂Ph; and further provided that when one of R^1 or R^2 is -CH₂CH₂-optionally substituted phenyl or -CH₂CH₂-optionally substituted naphthyl, or -CH₂CH₂-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, and v is 1, then R^6 and R^7 are not simultaneously hydrogen;

 R^3 and $R^{3'}$ are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkylyl, aryl, $-C_1$ - C_8 alkylcycloalkyl, and $-C_1$ - C_8 alkylaryl;

 R^4 and R^5 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, - C_2 - C_8 alkynyl, - C_1 - C_8 alkoxyalkyl, C_1 - C_8 thioalkyl, halo, C_1 - C_8 haloalkyl, - C_1 - C_8 alkoxyhaloalkyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, or - $C(O)OC_1$ - C_8 alkylamino, - C_1 - C_8 alkylcycloalkyl, - $(CH_2)_mC(O)C_1$ - C_8 alkyl, and $(CH_2)_nNR^8R^8$, wherein each R^4 or R^5 is attached to its respective ring only at carbon atoms, and wherein y is 0, 1, 2, or 3; and wherein z is 0, 1, 2, or 3;

 R^6 and R^7 are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, $-C(O)C_1$ - C_8 alkyl, hydroxy, C_1 - C_8 alkoxy, $-SO_2C_1$ - C_8 alkyl, SO_2C_1 - C_8 alkylaryl, $-SO_2C_1$ - C_8 alkylheterocyclic, aryl, $-C_1$ - C_8 alkylaryl, C_3 - C_7 cycloalkyl, $-C_1$ - C_6 alkylcycloalkyl, $-(CH_2)_nC(O)R^8$, $-(CH_2)_mC(O)NR^8R^8$, and $-(CH_2)_mNSO_2R^8$; wherein each of the alkyl, alkenyl, and aryl groups are optionally substituted with one to five groups independently selected from C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, and C_1 - C_8 alkylaryl; and wherein R^6 and R^7 may independently combine with each other, and with the nitrogen atom to which they are attached or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen containing heterocycle which nitrogen-containing heterocycle may optionally have substituents selected from the group consisting of oxo,





REPLACEMENT CLAIMS



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 C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, -CO(O)C1-C8 alkyl, hydroxy, C1-C8 alkoxy, -C1-C8 alkylamine, amino, halo, and haloalkyl; R^8 is hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, or -C(O)OC1-C8 alkyl; and wherein n is 0, 1, 2, 3 or 4 and m is 1, 2, or 3; or a compound selected from the group consisting of: 6-[4-(3-Pentylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(1-Methyl-2-pentylamino-ethyl)-phenoxy]-nicotinamide, 6-[2-Methyl-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Fluoro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Chloro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Ethoxy-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-methyl-phenoxy}-nicotinamide, 6-(4-Butylaminomethyl-2-methyl-phenoxy)-nicotinamide, 6-(2-Methyl-4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-nicotinamide, 3-Fluoro-4-{2-methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide, 6-(4-Allylaminomethyl-phenoxy)-nicotinamide, 6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinamide, 6-[4-((3-Methyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-((3,3-Dimethyl-butylamino)-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-(Butylamino-methyl)-2-ethoxyphenoxy]nicotinamide, 6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethylphenoxy]nicotinonamide, 5-{4-[(3-Methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,5-{2-Methyl-4-[(3methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Methoxy-4-[(3methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Fluoro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-{2-Methyl-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide, 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyridine-2-carboxamide, 5-{2-Chloro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide, 5-(2-Chloro-4-(pentylaminomethyl)phenoxy)pyridine-2-carboxamide,

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REPLACEMENT CLAIMS



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- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide,
- 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methylphenoxy}pyrazine-2-carboxamide, 5-
- {4-[(3-Methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate, 6-{4-[(2-
- Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 6-{2-Choloro-4-[(3,3-dimethylbutylamino)-methyl]-phenoxy}-nicotinamide,
- 4-{2-Methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-{3-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide, 4-{2-Ethoxy-4-
- [(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{3-Chloro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{3-Chloro-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2-Methyl-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{2-Methyl-4-[2-(3,3-dimethyl-butylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[2-Methyl-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[3-Chloro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{2,6-Difluoro-4-[2-(3-methyl-butylamino)-ethyl]-phenoxy}-nicotinamide,

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REPLACEMENT CLAIMS



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- 6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-[2,6-Difluoro-4-(2-pentylamino-ethyl)-phenoxy]-nicotinamide.
- 6-[4-(tert-butylamino methyl)-2-fluoro phenoxy] nicotinonamide,
- 6-(4-Ethylaminomethyl-2-fluoro-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-propylaminomethyl-phenoxy)-nicotinamide,
- 6-(2-Fluoro-4-hexylaminomethyl-phenoxy)-nicotinamide,
- 6-[2-Fluoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 6-[2-Fluoro-4-(isobutylamino-methyl)-phenoxy]-nicotinamide,
- 2-Fluoro-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methoxy-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 2-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Methyl-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-{4-[3-methylbutylamino)-methyl]phenoxy}-benzamide,
- 3-Fluoro-4-{4-[(3,3-Dimethyl-butylamino)-methy]-phenoxy}-3-fluoro-benzamide,
- 3-Fluoro-4-(4-pentylaminomethyl-phenoxy)-benzamide,
- 3,5-Difluoro-4-{4-[3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Fluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 3,5-Difluoro-4-(4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-benzamide,
- 4-{2-Chloro-4-[(3,3-dimethyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-{2-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4-(2-Chloro-4-pentylaminomethyl-phenoxy)-benzamide,
- 6-[4-(2-Methylamino-ethyl)-phenoxy]-nicotinamide,
- 4-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-trifluoromethyl-phenoxy}-benzamide,
- 3-Chloro-4-(3-methoxy-4-pentylaminomethyl-phenoxy)-benzamide,
- 3-Bromo-4-{4-f(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 3-Bromo-4-(3-pentylaminomethyl-phenoxy)-benzamide,
- 6-(2,3-Difluoro-4-pentylaminomethyl-phenoxy)-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-fluoro-6-methoxy-phenoxy}-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2,6-difluoro-phenoxy}-nicotinamide,
- 6-{2,6-Difluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{2,3,6-Trifluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,



REPLACEMENT CLAIMS



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- 6-{3-[(2-Cyclohexyl-ethylamino)-methyl]-2-methyl-phenoxy}-nicotinamide,
- 6-[2-Isopropy]-3-(2-pentylamino-ethyl)-phenoxy]-nicotinamide,
- 5-(2-Methoxy-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridazine-3-carboxamide,
- 6-(2-Methoxy-4-propylaminomethylphenoxy)nicotinamide,
- 6-[4-(Isobutylaminomethyl)-2-methoxyphenoxy]nicotinamide,
- 6-{4-[(2,2-Dimethylpropylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
- 5-{2-Fluoro-4-[(4-methylpentylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyrazine-2-carboxamide,
- 5-(2-Fluoro-4-hexylaminomethylphenoxy)pyrazine-2-carboxamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyridazine-3-carboxamide,
- 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide,
- (6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-pyridin-3-yl)-piperidin-1-yl-methanone,
- N-Methyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- N-Ethyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- N-Isopropyl-6-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide,
- 5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyridine-2-carboxamide,
- 5-{4-[(4,4-Dimethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3-Ethylpentylamino)methyl]-2-fluorophenoxy}pyrazine-2-carboxamide,
- 5-{4-[(4,4-Dimethylpentylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide, and
- 5-{4-[(3-Ethylpentylamino)methyl]-2-methoxyphenoxy}pyrazine-2-carboxamide; or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomer or

mixture of diastereomers thereof.

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REPLACEMENT CLAIMS

- 3. The compound according to claim 1 or 2wherein the A-ring is selected from the group consisting of phenyl, pyridine, pyrimidine, pyrazine, and pyridazine.
 - 4. A compound according to Claim 1 or 2wherein the B-ring is selected from the group consisting of phenyl, pyridine, pyrimidine, pyrazine, and pyridazine.
 - 5. A compound according to Claim 1 or 2wherein the A-ring is phenyl and the B ring is pyridinyl.
 - 6. A compound according to Claim 1 or 2 wherein the A ring is phenyl and the B ring is pyrazinyl.
 - 7. A compound according to Claim 1 or 2 wherein the A-ring is pyridinyl and the B-ring is phenyl.
 - 8. A compound according to Claim 1 or 2 wherein both rings A and B are pyridinyl.
 - 9. A compound according to Claim 1 or 2 wherein both rings A and B are phenyl.
 - 10. A compound according to any one of Claims 1 wherein E is an oxygen atom.
 - 11. A compound according to Claim 1 wherein y is 0, 1, or 2, and R⁴ is independently selected from the group consisting of hydrogen, fluoro, chloro, bromo, methoxy, ethoxy, methyl, ethyl, isopropyl, trifluoromethyl, trifluoromethoxy, phenyl, and benzyl.

REPLACEMENT CLAIMS

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- 12. A compound according to Claim 1 wherein z is 0, 1, or 2, and R⁵ is independently selected from the group consisting of hydrogen, fluoro, chloro, bromo, methoxy, ethoxy, methyl, ethyl, isopropyl, trifluoromethyl, trifluoromethoxy, phenyl, and benzyl.
- 13. A compound according to Claim 1 or 2 wherein R¹ and R² are each independently selected from the group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, phenyl,

$$(CH_2)_n$$

and wherein n is 1, 2, or 3.

14. The compound according to any one of Claims 1 to 13 wherein R⁶ and R⁷ are each independently selected from the group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, phenyl, provided that when one of R¹ or R² is -CH₂CH₂-optionally substituted phenyl or -CH₂CH₂-optionally substituted naphthyl, or -CH₂CH₂-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, and v is 1, then R⁶ and R⁷ are not simultaneously hydrogen.

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- 15. A compound according to Claim 1 wherein E is an oxygen atom, R^6 and R^7 are each hydrogen wherein R^1 and R^2 are not simultaneously hydrogen; and provided that when one of R^1 and R^2 is hydrogen the other is not C_1 - C_6 alkyl; and provided that the group -NR¹R² is not -NHCH₂Phenyl; and further provided that when one of R^1 or R^2 is -CH₂CH₂-optionally substituted phenyl or -CH₂CH₂-optionally substituted aphthyl, or -CH₂CH₂-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, v is not equal to 1.
- 16. A compound according to any one of Claims 1 to 13 wherein v is 1 or 2.
- 17. A compound according to any one of Claims 1 to 13wherein v is 1.
- 18. A compound according to any one of Claims 1 to 13 wherein v is 2, m is 1, n is 1, y is 0 or 1 and z is 0 or 1.
- 19. A compound selected from the group consisting of:6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-nicotinamide

5-{2-Fluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-pyrazine-2-carboxamide

5-(2-Methoxy-4-pentylaminomethyl-phenoxy)-pyrazine-2-carboxamide

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6-(2-Fluoro-4-{[2-(tetrahydro-pyran-4-yl)-ethylamino]-methyl}-phenoxy)nicotinamide

6-(2,3-Difluoro-4-pentylaminomethyl-phenoxy)-nicotinamide

5-(4-{[2-(4-Fluoro-phenyl)-ethylamino]-methyl}-2-methoxy-phenoxy)-pyrazine-2-carboxamide

5-{4-[(4,4-Dimethyl-pentylamino)-methyl]-2-methoxy-phenoxy}-pyrazine-2carboxamide

5-(2-Methoxy-4-{[2-(tetrahydro-pyran-4-yl)-ethylamino]-methyl}-phenoxy)pyrazine-2-carboxamide

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5-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-fluoro-phenoxy}-pyrazine-2carboxamide

5-(2-Fluoro-4-{[2-(tetrahydro-pyran-4-yl)-ethylamino]-methyl}-phenoxy)pyrazine-2-carboxamide

6-{2-Methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide; methanesulfonic acid salt

5-(2-Methyl-4-{[2-(tetrahydro-pyran-4-yl)-ethylamino]-methyl}-phenoxy)pyrazine-2-carboxamide

REPLACEMENT CLAIMS

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6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-fluoro-6-methoxy-phenoxy}-nicotinamide

5-(2-Fluoro-4-pentylaminomethyl-phenoxy)-pyrazine-2-carboxamide

3-Chloro-4-{4-[(3,3-dimethyl-butylamino)-methyl]-phenoxy}-benzamide

6-(4-{[2-(Tetrahydro-pyran-4-yl)-ethylamino]-methyl}-phenoxy)-nicotinamide

6-{4-[2-(3,3-Dimethyl-butylamino)-ethyl]-2,6-difluoro-phenoxy}-nicotinamide

6-{2-Chloro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide

REPLACEMENT CLAIMS

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3,5-Difluoro-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide

6-{2,3,6-Trifluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide

6-{2,6-Difluoro-4-[(3-methyl-butylamino)-methyl]-phenoxy}-nicotinamide

3-Fluoro-4-{4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide

and a pharmaceutically acceptable salt, or solvate thereof.

20. The compound 6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-nicotinamide

or a pharmaceutically acceptable salt, or solvate thereof.

REPLACEMENT CLAIMS

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21. The hydrochloric acid salt of the compound 6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-nicotinamide

22. The compound 5-(4-{[2-(4-Fluoro-phenyl)-ethylamino]-methyl}-2-methoxy-phenoxy)-pyrazine-2-carboxamide

or a pharmaceutically acceptable salt, or solvate thereof.

23. The compound 5-(2-Methoxy-4-pentylaminomethyl-phenoxy)-pyrazine-2-carboxylic acid amide

or a pharmacentically acceptable salt, or solvate thereof.

24. The compound 5-(2-Methoxy-4-{[2-(tetrahydro-pyran-4-yl)-ethylamino]-methyl}-phenoxy)-pyrazine-2-carboxamide

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or a pharmaceutically acceptable salt, or solvate thereof.

25. The compound 6-(2-Fluoro-4-{[2-(tetrahydro-pyran-4-yl)-ethylamino]-methyl}-phenoxy)-nicotinamide; methanesulfonic acid salt

- 26. A compound according to any one of Claims 1 to 18 wherein the pharmaceutically acceptable salt is the hydrochloric acid salt, the methanesulfonic acid salt, hydrobromide salt, the bisulfate salt or tartaric acid salt.
- 27. A pharmaceutical composition comprising a therapeutically effective amount of a compound according to any one of Claims 1 to 24 in association with a carrier, diluent and/or excipient.
- 28. A method for blocking a mu, kappa, delta or receptor combination (heterodimer) thereof in mammals comprising administering to a mammal requiring blocking of a mu, kappa, delta or receptor combination (heterodimer) thereof, a receptor blocking dose of a compound according to any one of Claims 1 to 25, or a pharmaceutically acceptable salt, enantiomer, racemate, mixture of diastereomers, or solvate thereof.
- 29. A method of treating or preventing obesity and Related Diseases comprising administering a therapeutically effective amount of a compound of formula II wherein formula II is represented by the structure

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REPLACEMENT CLAIMS

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$$- \frac{R^{1'}}{R^{2'}} N - (CR^{3B}R^{3b})_{v} + \frac{\chi_{S}}{\chi_{1}} \times \frac{\chi_{S}}{\chi_{2}} \times \frac{\chi_{S}}{\chi_{2}} \times \frac{\chi_{S}}{\chi_{1D'}} \times \frac{K^{6'}}{\chi_{1D'}} \times \frac{K^{6'}}{\chi_{$$

wherein

each of $X_{1'}$, $X_{2'}$, $X_{3'}$, $X_{4'}$, $X_{5'}$, $X_{6'}$, $X_{7'}$, $X_{8'}$, $X_{9'}$ and $X_{10'}$ is C, CH, or N; provided that each of rings A' or B' has no more than 2 nitrogen atoms; E' is O or NH;

v is 0, 1, 2 or 3;

 $R^{1'}$ and $R^{2'}$ are independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, C_3 - C_8 cycloalkyl, $-C_1$ - C_{10} alkylaryl, heterocyclyl, $-C_1$ - C_{10} alkylheterocyclic, -arylheterocyclyl, - C_3 - C_8 cycloalkylheterocyclyl, - C_1 - C_8 alkylC(O)C₁-C₈ alkyl, aryl C(O)C₁-C₈ alkyl-, C₃-C₈ cycloalkylC(O)(CH₂)_n-, -C₁- C_8 alkylC(O)heterocyclic, $-C_1-C_8$ alkylC(O)aryl, aryloxy C_1-C_8 alkyl-, benzhydryl, fused bicyclic, C_1 - C_8 alkylfused bicyclic, phenylC(O)-, phenylC(O) C_1 - C_8 alkyl-, $C_1-C_8\text{ alkoxy}C_1-C_8\text{ alkyl-,-CO(O)}C_1-C_8\text{alkyl,-SO}_2C_1-C_8\text{alkyl,-SO}_2C_1-C_{10}$ alkylaryi, $-SO_2C_1-C_8$ alkylheterocyclic, $-C_1-C_8$ alkylcycloalkyl, $-(CH_2)_nC(O)OR^8$, -(CH₂)_nC(O)R⁸, -(CH₂)_mC(O)NR⁸R⁸, and -(CH₂)_mNSO₂R⁸; wherein each of the alkyl, alkenyl, cycloalkyl, heterocyclic, and aryl groups are optionally substituted with one to five groups independently selected from halo, C_1 - C_8 haloalkyl, C_1 - C_8 thioalkyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, - $CO(O)C_1-C_8$ alkyl, $-SO_2C_1-C_8$ alkyl, $-SO_2C_1-C_8$ alkylaryl, $-SO_2C_1-C_8$ alkylheterocyclic, $-C_1-C_8$ alkylcycloalkyl, $-(CH_2)_nC(O)OR^8$, $-(CH_2)_nC(O)R^8$; and wherein R^{1} and R^{2} may optionally combine with each other, or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogencontaining heterocycle which nitrogen -containing heterocycle may further have substituents selected from the group consisting of amino, C_1 - C_8 alkyl, C_2 - C_8

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alkenyl, C_2 - C_8 alkynyl, aryl, C_1 - C_8 alkylaryl, $-C(O)C_1$ - C_8 alkyl, $-CO(O)C_1$ - C_8 alkyl, halo, oxo, C1-C8 haloalkyl; and wherein R1 and R2 may independently attach to the A' ring to form a 4, 5, 6, or 7-member nitrogen-containing bicyclic heterocycle which nitrogen-containing bicyclic heterocycle may further have substituents selected from the group consisting of oxo, amino, -C1-C3 alkyl, -C2- C_8 alkenyl, $-C_2$ - C_8 alkynyl, aryl, $-C_1$ - C_8 alkylaryl, $-C(O)C_1$ - C_8 alkyl, $-CO(O)C_1$ - C_8 alkyl, halo, and C_1 - C_8 haloalkyl; provided that $R^{1'}$ and $R^{2'}$ are not simultaneously hydrogen; and provided that when v is 2, and R3a and R3b are both hydrogen or CH3, and both A' and B' rings are phenyl, then the group -NR1'R2' is not -NHCH2Phenyl; and further provided that when one of R1' or R2' is -CH2CH2optionally substituted phenyl or -CH2CH2-optionally substituted naphthyl, or -CH₂CH₂-optionally substituted 5 or 6 member monocyclic heterocyclic aromatic, and v is 1, then R⁶ and R⁷ are not simultaneously hydrogen; R^{3a} and R^{3b} are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, aryl, $-C_1$ - C_8 alkylcycloalkyl, aryl, and $-C_1$ - C_8 alkylaryl; $R^{4'}$ and $R^{5'}$ are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, $-C_2$ - C_8 alkynyl, $-C_1$ - C_8 alkoxyalkyl, C_1 - C_8 thioalkyl, halo, C_1 - C_8 haloalkyl, - C_1 - C_8 alkoxyhaloalkyl, aryl, - C_1 - C_8 alkylaryl, - $C(O)C_1$ - C_8 alkyl, or - . $C(O)OC_1-C_8$ alkyl, $-C_1-C_8$ alkylamino, $-C_1-C_8$ alkylcycloalkyl, $-(CH_2)_mC(O)C_1-C_8$ alkyl, and -(CH2), NR8R8, wherein each R4 and R5 is attached to its respective ring only at carbon atoms, and wherein y is 0, 1, 2, or 3; and wherein z is 0, 1, 2, or 3: $R^{6'}$ and $R^{7'}$ are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8

 $R^{6'}$ and $R^{7'}$ are each independently selected from hydrogen, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, - $C(O)C_1$ - C_8 alkyl, hydroxy, C_1 - C_8 alkoxy, - SO_2C_1 - C_8 alkyl, SO_2C_1 - C_8 alkylaryl, - SO_2C_1 - C_8 alkylaryl, - C_1 - C_8 alkylaryl, - C_1 - C_8 alkylaryl, - C_1 - C_8 alkylcycloalkyl, - $(CH_2)_nC(O)R^8$, - $(CH_2)_mC(O)NR^8R^8$, and - $(CH_2)_mNSO_2R^8$; wherein each of the alkyl, alkenyl, and aryl groups are optionally substituted with one to five groups independently selected from C_1 - C_8 alkyl, C_2 - C_8 alkenyl, aryl, and C_1 - C_8 alkylaryl; and wherein $R^{6'}$ and $R^{7'}$ may

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independently combine together, and with the nitrogen atom to which they are attached or with 1, or 2 atoms adjacent to the nitrogen atom to form a 4, 5, 6, or 7-membered nitrogen containing heterocycle which nitrogen containing heterocycle may further have substituents selected from the group consisting of C₁-C₈ alkyl, C₂-C₈ alkenyl, C₂-C₈ alkynyl, phenyl, -C₁-C₈ alkylaryl, -C(O)C₁-C₈ alkyl, -C(O)C₁-C₈ alkyl, hydroxy, -C₁-C₈ alkoxy, halo, and haloalkyl; R⁸ is hydrogen, C₁-C₈ alkyl, C₂-C₈ alkenyl, C₁-C₈ alkylaryl, -C(O)C₁-C₈ alkyl, or -C(O)OC₁-C₈ alkyl; wherein n is 0, 1, 2, 3 or 4 and wherein m is 1, 2 or 3; or a pharmaceutically acceptable salt, solvate, enantiomer, racemate, diastereomers or mixtures thereof.

- 30. A method according to Claim 29 wherein the Related Diseases is selected from the group consisting of diabetes, diabetic complications, diabetic retinopathy, atherosclerosis, hyperlipidemia, hypertriglycemia, hyperglycemia, and hyperlipoproteinemia.
- 31. A method of treating and/or preventing diseases related to obesity including irritable bowel syndrome, nausea, vomiting, obesity-related depression, obesity-related anxiety, smoking and alcohol addiction, sexual dysfunction, substance abuse, drug overdose, addictive behavior disorders, compulsive behaviors and stroke, comprising administering a therapeutically effective amount of a compound of formula I or II.
- 32. Use of a compound according to any one of Claims 1 to 24 or a compound of formula II according to Claim 29 in the manufacture of a medicament for the treatment and/or amelioration of the symptoms associated with obesity and Related Diseases.

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- 33. A method of treating and/or preventing obesity and Related Diseases comprising administering a therapeutically effective amount of a compound of formula I or II to a patient in need thereof.
- 34. A method of suppressing appetite in a patient in need thereof, comprising administering a therapeutically effective amount of a compound of formula I or II.
- 35. A method of effecting weight loss in an obese patient comprising administering an effective amount of a compound of formula I or formula II or pharmaceutically acceptable salt, solvate, racemate or enautioner thereof.
- 36. Use of a compound according to Claim 19 for the treatment of obesity comprising administering an effective dose of said compound to a person in need thereof.
- 37. Use of a compound according to Claim 19 for the treatment of weight loss comprising administering an effective dose of said compound to a person in need thereof.
- 38. Use of a compound according to Claim 20 or 21 or 22 or 23 or 24 or 25 for the treatment of obesity comprising administering an effective dose of said compound to a person in need thereof.
- 39. A pharmaceutical composition for the treatment and/or amelioration of the symptoms associated with obesity and Related Diseases, containing as an active ingredient a compound according to any one of Claims 1 to 25 or a compound of formula II according to Claim 29.



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- A pharmaceutical composition for the treatment and/or amelioration of the 40. symptoms associated with obesity and Related Diseases, containing as an active ingredient a compound selected from the group consisting of: 6-{4-[2-(Benzyl-phenethyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[Benzyl-(3-phenyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(Benzyl-hexyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(Benzyl-heptyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[Benzyl-(5-methyl-hexyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-[4-(2-{Benzyl-[2-(3-chloro-phenyl)-ethyl]-amino}-ethyl)-phenoxy]nicotinamide.
- 6-(4-{2-[Benzyl-(3-cyclohexyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-o-tolyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-thiophen-2-yl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(Benzyl-pentyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[Benzyl-(3-cyclopentyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-[4-(2-{Benzyl-[2-(2-fluoro-phenyl)-ethyl]-amino}-ethyl)-phenoxy]nicotinamide.
- 6-[4-(2-Dibenzylamino-ethyl)-phenoxy]-nicotinamide,
- 6-(4-{2-[Benzyl-(3-oxo-3-phenyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-oxo-3-thiophen-2-yl-propyl)-amino]-ethyl}-phenoxy)nicotinamide,
- 6-(4-{2-[Benzyl-(3-cyclohexyl-3-oxo-propyl)-amino]-ethyl}-phenoxy)nicotinamide.
- 6-(4-{2-[Benzyl-(3-hydroxy-3-phenyl-propyl)-amino]-ethyl}-phenoxy)-
- 6-(4-{2-[Benzyl-(3-hydroxy-3-thiophen-2-yl-propyl)-amino]-ethyl}-phenoxy)nicotinamide.
- 6-(4-{2-[Benzyl-(3-cyclohexyl-3-hydroxy-propyl)-amino]-ethyl}-phenoxy)nicotinamide,

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6-{4-[2-(3-Phenyl-propylamino)-ethyl]-phenoxy}-nicotinamide, 6-[4-(2-Phenethylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Hexylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Heptylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Pentylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(5-Methyl-hexylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[2-(3-Chloro-phenyl)-ethylamino]-ethyl}-phenoxy)-nicotinamide, 6-{4-[2-(3-Cyclopentyl-propylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Cyclohexyl-propylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[2-(3-Fluoro-phenyl)-ethylamino]-ethyl}-phenoxy)-nicotinamide, 6-{4-[2-(3-o-Tolyl-propylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Thiophen-2-yl-propylamino)-ethyl]-phenoxy}-nicotinamide, 6-[4-(2-Amino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(2-Methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Chloro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3,4-Dichloro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Cyano-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Methyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3,5-Bis-trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2.6-Difluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide 6-{4-[2-(3,5-Difluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Acetylamino-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Methyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide,

6-{4-[2-(4-Chloro-benzylamino)-ethyl]-phenoxy}-nicotinamide,

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6-{4-[2-(4-Phenoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Oxo-2,3-dihydro-1H-isoindol-1-ylamino)-ethyl]-phenoxy}nicotinamide. 6-{4-[2-(4-Trifluoromethoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Trifluoromethoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(Thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-[4-(2-Octylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Cyclohexylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Cyclohexylmethyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-[4-(2-Propylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Butylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Isopropylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Isobutylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(3-Methyl-butylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(Pyridin-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Pyridin-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(5-Methyl-furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(3-Methyl-thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(5-Methyl-thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Thiophen-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-[4-(2-Ethylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(4-Hydroxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Hydroxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Phenyl-prop-2-ynylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(Furan-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Benzofuran-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,

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6-(4-{2-[(5-Ethyl-furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(5-Chloro-thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(4,5-Dimethyl-furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(4-Chloro-1-methyl-1H-pyrazol-3-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide. 6-(4-{2-[(Thiazol-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(2-Methyl-1H-imidazol-4-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide. 6-{4-[2-(3,5-Di-tert-butyl-4-hydroxy-benzylamino)-ethyl]-phenoxy}nicotinamide, 6-{4-[2-(2-Fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Phenoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Chloro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Cyano-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Methyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(1H-Imidazol-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Pyridin-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-{4-[2-(2-Phenoxy-ethylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Fluoro-4-hydroxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(2-Butyl-1H-imidazol-4-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide, 6-(4-{2-[(Benzo[b]thiophen-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(3-Phenyl-1H-pyrazol-4-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide. 6-[4-(2-Allylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(4-Imidazol-1-yl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(3-Methyl-benzo[b]thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide, 6-{4-[2-(4-Methyl-pent-2-enylamino)-ethyl]-phenoxy}-nicotinamide,

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- 6-{4-[2-(2-Trifluoromethoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[(2-Piperidin-1-yl-thiazol-5-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide,
- 6-{4-[2-(4-Cyclohexyl-butylamino)-ethyl]-phenoxy}-nicotinamide.
- 6-{4-[2-(2-Cyclohexyl-ethylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(2-Chloro-6-fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(Cyclopropylmethyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[(Naphthalen-1-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[(Bicyclo[2.2.1]hept-5-en-2-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide.
- 6-(4-{2-[(Naphthalen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[(Quinolin-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(2,6-Dichloro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(Indan-1-ylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(2-Hydroxy-5-methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3-Bromo-4-fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(4-Fluoro-2-trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3-Chloro-4-fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[4-(2-Cyclooctylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{4-[2-(2-Phenoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(Cyclobutylmethyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(Cycloheptylmethyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[(2-Morpholin-4-yl-thiazol-5-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide,
- 6-(4-{2-[(2,4-Dichloro-thiazol-5-vlmethyl)-amino]-ethyl}-phenoxy)nicotinamide,
- 6-(4-{2-[(2-Chloro-thiazol-5-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(Cyclopentylmethyl-amino)-ethyl]-phenoxy}-nicotinamide,

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- 6-(4-{2-[(3,5-Dimethyl-isoxazol-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[(5-Methyl-isoxazol-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[(3-Phenyl-isoxazol-5-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-[4-(2-{[3-(4-Chloro-phenyl)-[1,2,4]oxadiazol-5-ylmethyl]-amino}-ethyl)-phenoxy]-nicotinamide,
- 6-(4-{2-[(5-p-Tolyl-[1,3,4]oxadiazol-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(1-Phenyl-ethylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[4-(3-Benzylamino-propyl)-phenoxy]-nicotinamide,
- 6-{4-[3-(Benzyl-pentyl-amino)-propyl]-phenoxy}-nicotinamide,
- 6-{4-[3-(Benzyl-phenethyl-amino)-propyl]-phenoxy}-nicotinamide,
- 6-(4-{3-[Benzyl-(3-cyclopentyl-propyl)-amino]-propyl}-phenoxy)-nicotinamide,
- 6-[4-(3-{Benzyl-[2-(3-fluoro-phenyl)-ethyl]-amino}-propyl)-phenoxy]-nicotinamide,
- 6-[4-(3-Pentylamino-propyl)-phenoxy]-nicotinamide,
- 6-[4-(3-Phenethylamino-propyl)-phenoxy]-nicotinamide,
- 6-{4-[3-(3-Cyclopentyl-propylamino)-propyl]-phenoxy}-nicotinamide,
- 6-(4-{3-[2-(3-Fluoro-phenyl)-ethylamino]-propyl}-phenoxy)-nicotinamide,
- (R)-6-[4-(2-Benzylamino-propyl)-phenoxy]-nicotinamide,
- (R)-6-[4-(2-Dibenzylamino-propyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Benzylamino-2-methyl-propyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Methyl-2-pentylamino-propyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Methyl-2-phenethylamino-propyl)-phenoxy]-nicotinamide,
- 6-(4-{2-[2-(3-Fluoro-phenyl)-ethylamino]-2-methyl-propyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(3-Cyclopentyl-propylamino)-2-methyl-propyl]-phenoxy}-nicotinamide,
- 6-[4-(3-Benzylamino-butyl)-phenoxy]-nicotinamide,
- 6-[4-(3-Pentylamino-butyl)-phenoxy]-nicotinamide,

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6-[4-(3-Propylamino-butyl)-phenoxy]-nicotinamide. 6-[4-(3-Methylamino-butyl)-phenoxy]-nicotinamide, 6-[4-(3-Phenethylamino-butyl)-phenoxy]-nicotinamide, 6-(4-{3-[2-(3-Fluoro-phenyl)-ethylamino]-butyl}-phenoxy)-nicotinamide, 6-(4-{3-[2-(3-Chloro-phenyl)-ethylamino]-butyl}-phenoxy)-nicotinamide, 6-(4-{3-[(Furan-2-ylmethyl)-amino]-butyl}-phenoxy)-nicotinamide, 6-{4-[3-(2-Thiophen-2-yl-ethylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(Cyclopropylmethyl-amino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(3-Trifluoromethyl-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(4-Fluoro-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(3-Fluoro-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-[4-(3-Allylamino-butyl)-phenoxyl-nicotinamide. 6-{4-[3-(4-Chloro-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(4-Methoxy-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(4-Trifluoromethyl-benzylamino)-butyl]-phenoxy}-nicotinamide. 6-{4-[3-(4-Trifluoromethoxy-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(3-Trifluoromethoxy-benzylamino)-butyl]-phenoxy}-nicotinamide, (1R)-6-{4-[3-(1-Phenyl-ethylamino)-butyl]-phenoxy}-nicotinamide, (1S)-6-{4-[3-(1-Phenyl-ethylamino)-butyl]-phenoxy}-nicotinamide. 6-[4-(2-Benzylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Pentylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Propylamino-propyl)-phenoxyl-nicotinamide. 6-[4-(2-Methylamino-propyl)-phenoxy]-nicotinamide. 6-[4-(2-Phenethylamino-propyl)-phenoxy]-nicotinamide, 6-(4-{2-[2-(3-Fluoro-phenyl)-ethylamino]-propyl}-phenoxy)-nicotinamide, 6-(4-{2-[2-(3-Chloro-phenyl)-ethylamino]-propyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Furan-2-ylmethyl)-amino]-propyl}-phenoxy)-nicotinamide, 6-{4-[2-(2-Thiophen-2-yl-ethylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(Cyclopropylmethyl-amino)-propyl]-phenoxy}-nicotinamide,

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6-{4-[2-(3-Trifluoromethyl-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Fluoro-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Fluoro-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-[4-(2-Allylamino-propyl)-phenoxy]-nicotinamide, 6-{4-[2-(4-Chloro-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Trifluoromethyl-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Methoxy-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Trifluoromethoxy-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Trifluoromethoxy-benzylamino)-propyl]-phenoxy}-nicotinamide, (1S)-6-{4-[2-(1-Phenyl-ethylamino)-propyl]-phenoxy}-nicotinamide, (1R)-6-{4-[2-(1-Phenyl-ethylamino)-propyl]-phenoxy}-nicotinamide, 6-[4-(2-Benzylamino-1-methyl-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Benzyl-pentyl-amino)-1-methyl-ethyl]-phenoxy}-nicotinamide, 6-[4-(1-Methyl-2-pentylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Benzylamino-1,1-dimethyl-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Cyclohexylmethyl-amino)-1,1-dimethyl-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Chloro-benzylamino)-1,1-dimethyl-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Fluoro-benzylamino)-1,1-dimethyl-ethyl]-phenoxy}-nicotinamide, 6-[4-(3-Phenylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Dimethylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Piperidin-1-yl-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Morpholin-1-yl-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(3,4-Dihydro-1H-isoquinolin-2-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Benzoyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Methyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3,5-Dimethyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Benzhydryl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Phenyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[3-Fluoro-phenyl)-piperidin-1-yl]-ethyl}-phenoxy)-nicotinamide,

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6-[4-(2-Azepan-1-yl-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Benzyl-methyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-ethyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-propyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-butyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-cyclopropylmethylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-isobutyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-(3-methyl-butyl)-amino)-ethyl]-phenoxy}-nicotinamide, 6-[4-(2-Benzoylamino-ethyl)-phenoxy]-nicotinamide, 4-[4-(2-Benzylamino-ethyl)-phenoxy]-2-fluoro-benzamide, 2-[4-(2-Benzylamino-ethyl)-phenoxy]-4-fluoro-benzamide, 4-[4-(2-Benzylamino-ethyl)-phenoxy]-2-chloro-benzamide, 6-[4-(2-Benzylamino.ethyl)-2-methyl-phenoxy]-nicotinamide, 6-[2-Methyl-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Fluoro-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Ethoxy-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Chloro-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[3-Chloro-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Methyl-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Fluoro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Chloro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Ethoxy-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-{4-[2-Cyclopentyl-ethylamino)-methyl]-2-methyl-phenoxy}-nicotinamide, 6-{4-[2-Cyclopentyl-ethylamino)-methyl]-2-fluoro-phenoxy}-nicotinamide, 6-{2-Chloro-4-[2-Cyclopentyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[2-Cyclopentyl-ethylamino)-methyl]-2-ethoxy-phenoxy}-nicotinamide, 6-{2-Methyl-4-[2-thiophen-2-yl-ethylamino)-methyl]-phenoxy}-nicotinamide,

REPLACEMENT CLAIMS

- 6-(4-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-2-methyl-phenoxy)-nicotinamide,
- 6-{2-Methyl-4-[(2-o-tolyl-ethylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-methyl-phenoxy}-nicotinamide,
- 6-(4-{[2-(3-Chloro-phenyl)-ethylamino]-methyl}-2-methyl-phenoxy)-nicotinamide,
- 6-(4-Butylaminomethyl-2-methyl-phenoxy)-nicotinamide,
- 6-(2-Methyl-4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)-nicotinamide,
- 6-{2-Methyl-4-[(methyl-phenethyl-amino)-methyl]-phenoxy}-nicotinamide,
- 3-Fluoro-4-[4-(phenethylamino-methyl)-phenoxy]-benzamide,
- 3-Chloro-4-[4-(phenethylamino-methyl)-phenoxy]-benzamide,
- 2-Chloro-4-[4-(phenethylamino-methyl)-phenoxy]-benzamide,
- 3-Fluoro-4-{2-methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide,
- 4 (4-Benzylamino-phenoxy)-benzamide,
- 4-(4-Phenethylamino-phenoxy)-benzamide,
- 6-[4-(Benzylamino-methyl)-phenoxy]-nicotinamide,
- 6-(4-Allylaminomethyl-phenoxy)-nicotinamide,
- 6-{4-[(4-Methoxy-benzylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{4-[(3-Trifluoromethyl-benzylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{4-[(2-Thiophen-2-yl-ethylamino)-methyl]-phenoxy}-nicotinamide,
- 6-{4-[(3-Fluoro-benzylamino)-methyl]-phenoxy}-nicotinamide,
- 6-(4-{[(Furan-2-ylmethyl)-amino]-methyl}-phenoxy)-nicotinamide,
- 6-(4-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,
- 6-{4-[(4-Trifluoromethoxy-benzylamino)-methyl]-phenoxy}-nicotinamide,
- 6-[4-(Phenethylamino-methyl)-phenoxy]-nicotinamide,
- 6-(4-{[2-(3-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,
- 6-(4-{[2-(4-Sulfamoyl-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,

REPLACEMENT CLAIMS

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6-{4-[(3-Phenyl-propylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3,3-Diphenyl-propylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[2-(2-Methoxy-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-{4-[(2-Phenylamino-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Phenyl-propylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Pyridin-2-yl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[2-(2-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-{4-[(2-Pyridin-3-yl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2,2-Diphenyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Cyclohexyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Methylsulfanyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(6-Hydroxy-hexylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Dimethylamino-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-Decylaminomethyl-phenoxy)-nicotinamide, 6-{4-[(2-Ethyl-hexylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[(Tetrahydro-furan-2-ylmethyl)-amino]-methyl}-phenoxy)-nicotinamide, 6-{4-[(2-Pyrrolidin-1-yl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[2-(1-Methyl-pyrrolidin-2-yl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-(4-{[2-(1H-Imidazol-4-yl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-(4-{[3-(2-Methyl-piperidin-1-yl)-propylamino]-methyl}-phenoxy)nicotinamide. 6-{4-[(2-Diisopropylamino-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Cyclohex-1-enyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-Pentylaminomethyl-phenoxy)-nicotinamide, 4-{4-[(4-Trifluoromethoxy-benzylamino)-methyl]-phenoxy}-benzamide, 4-(4-{[2-(3-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-{4-[(4-Trifluoromethyl-benzylamino)-methyl]-phenoxy}-benzamide,

REPLACEMENT CLAIMS

- 4-{4-[(4-Fluoro-benzylamino)-methyl]-phenoxy}-benzamide, 4-(4-Pentylaminomethyl-phenoxy)-benzamide,
- 4-{4-[(2-Phenyl-propylamino)-methyl]-phenoxy}-benzamide,
- 4-(4-{[2-(2-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide,
- 4-(4-{[2-(2,4-Dichloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide,
- 4-(4-{[2-(4-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide,
- 4-(4-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide,
- 4-(4-{[2-(2-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide,
- 4-(4-{[2-(2,5-Dimethoxy-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide,
- 4-(4-{[2-(2,6-Dichloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide,
- 4-{4-[(2-o-Tolyl-ethylamino)-methyl]-phenoxy}-benzamide,
- 4-{4-[(2,2-Diphenyl-ethylamino)-methyl]-phenoxy}-benzamide,
- 4-[4-(3-Phenyl-propylamino)-phenoxy]-benzamide,
- 4-{4-[(2-Cyclopentyl-ethylamino)-methyl]-phenoxy}-benzamide,
- 4-{4-[(2,6-Dichloro-benzylamino)-methyl]-phenoxy}-benzamide,
- 4-(4-{[(Furan-2-ylmethyl)-amino]-methyl}-phenoxy)-benzamide,
- 6-(4-{[2-(3,4-Dichloro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,
- 6-(4-{[2-(2-Ethoxy-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,
- 6-{4-[(2-o-Tolyl-ethylamino)-methyl]-phenoxy}-nicotinamide,
- 6-(4-{[2-(2-Phenoxy-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,

REPLACEMENT CLAIMS

- 6-[4-((2-Thiophenyl-ethyamino)-methyl)-2-ethoxy phenoxy] nicotinamide,
- 6-[4-((3-Methyl-butylamino)-methyl)-2-ethoxy phenoxy] nicotinamide methanesulfonate salt,
- 6-[4-((3-Dimethyl-butylamino)-methyl)-2-ethoxy phenoxy] nicotinamide,
- 6-[4-(Butylamino-methyl)-2-ethoxy phenoxy] nicotinamide,
- 6-[4-((2-Phenyl-ethyamino)-methyl)-2,5-dimethyl phenoxy] nicotinamide,
- 6-[4-((2-Cyclopentyl-ethyamino)-methyl)-2-ethoxy phenoxy] nicotinamide metanosulfonate salt,
- 6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethyl phenoxy] nicotinamide
- 6-(4-Iodo-phenoxy)-nicotinamide,
- (±)-6-(4-Piperidin-3-yl-phenoxy)-nicotinamide,
- (±)-6-[4-(1-Benzyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-Cyclohexylmethyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-Methyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (\pm)-6-[4-(1-(3-Fluoro-benzyl)-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-(2-Fluoro-benzyl)-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-Hexyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-{4-[1-(3-Methyl-butyl)-piperidin-3-yl]-phenoxy}-nicotinamide,
- (±)-6-[4-(1-Phenethyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- $\label{eq:continuous} \begin{tabular}{ll} (\pm) -6-{4-[1-(2-Cyclohexyl-ethyl)-piperidin-3-yl]-phenoxy}-nicotinamide, \end{tabular}$
- 6-[4-(4-Benzyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(4-Phenethyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(4-Cyclopentyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-{4-[4-(1-Phenyl-ethyl)-piperazin-1-ylmethyl]-phenoxy}-nicotinamide,
- 6-[4-(4-Benzhydryl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-{4-[4-(4-Fluoro-phenyl)-piperazin-1-ylmethyl]-phenoxy}-nicotinamide,
- 6-[4-(4-Phenyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(4-Cyclohexyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,

REPLACEMENT CLAIMS

- 6-[4-(4-Isopropyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- (3R)-6-{4-[(1-Benzyl-pyrrolidin-3-ylamino)-methyl]-phenoxy}-nicotinamide,
- (3S)-6-{4-[(1-Benzyl-pyrrolidin-3-ylamino)-methyl]-phenoxy}-nicotinamide,
- (±)-6-[4-(2-Phenyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(2-Phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide, hydrochloric acid salt,
- (±)-6-[4-(3-Phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(4-Phenyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenyl-azepan-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(4-Phenyl-azepan-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(4,4-Diphenyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(3,3-Diphenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(2,2-Diphenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-(4-Piperidin-1-ylmethyl-phenoxy)-nicotinamide,
- (±)-6-[4-(1,2,4,4a,9,9a-Hexahydro-3-aza-fluoren-3-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-{4-[3-(2-Chloro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide,
- (±)-6-{4-[3-(3-Chloro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide.
- (±)-6-{4-[3-(3-Trifluoromethyl-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide,
- (±)-6-[4-(3-Methyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenethyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenpropyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Benzyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide.
- (±)-6-{4-[3-(4-Fluoro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide, hydrochloric acid salt.

REPLACEMENT CLAIMS

- (\pm)-6-{4-[3-(2-Fluoro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide, hydrochloric acid salt,
- (±)-6-[4-(3-Cyclohexyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide, hydrochloric acid salt,
- (\pm) -6-[2-Methyl-4-(3-phenyl-piperidin-lymethyl)-phenoxy]-nicotinamide, hydrochloric acid salt,
- (\pm)-6-[2-Methyl-4-(3-phenyl-azepan-lymethyl)-phenoxy]-nicotinamide, hydrochloric acid salt,
- (±)-6-[2-Methyl-4-(4-phenyl-azepan-lymethyl)-phenoxy]-nicotinamide,
- (\pm)-1-{6-[2-Methyl-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-pyridin-3-yl}-ethanone,
- (±)-5-(1,1-Difluoro-ethyl)-2-[2-methyl-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-pyridine hydrochloric acid salt,
- (±)-6-[2-Fluoro-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[2-Ethoxy-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[2-Chloro-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-(3-Phenethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yloxy)nicotinamide,
- 6-(3-Benzyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yloxy)-nicotinamide,
- 6-[4-(Phenethylaminomethyl)phenoxy]nicotinamidine,
- {2-[4-(5-Aminomethylpyridin-2-yloxy)phenyl]ethyl}benzylamine,
- 5-[4-(Phenethylaminomethyl)phenoxy]pyridine-2-carboxyamide,
- 2-[4-(2-Benzylaminoethyl)phenoxy]nicotinamide,
- 6-[4-(2-Benzylaminoethyl)phenoxy]pyridine-2-carboxamide,
- 2-[4-(2-Benzylaminoethyl)phenoxy]isonicotinamide,
- N-Methyl-{6-[4-(phenethylaminomethyl)phenoxy]nicotinamidine,
- 5-[4-(Phenethylaminomethyl)phenoxy]pyrazine-2-carboxamide,
- 5-(4-{[2-(4-Fluorophenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide,



REPLACEMENT CLAIMS

- 5-{4-[(3-Methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methyl-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[2-(3-Trifluoromethylphenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate.
- 5-{4-[(2-Thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methyl-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methoxy-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{4-[(2-Cyclopentylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{4-[(2-Cyclopentylethylamino)methyl]-2-methylphenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{4-[(2-Cyclopentylethylamino)methyl]-2-methoxyphenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[(Benzo[b]thiophen-3-ylmethyl)amino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[2-(4-Methoxyphenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[2-(3-Fluorophenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate.
- 5-(4-{[2-(2-Fluorophenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate.

REPLACEMENT CLAIMS

- 5-{2-Fhoro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methyl-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide methanesulfonate,
- 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyridine-2-carboxamide
- 5-{2-Fluoro-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy} pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy} pyridine-2-carboxamide,
- $5-\{2-Fluoro-4-[(2-m-tolylethylamino)methyl]$ phenoxy $\}$ pyridine-2-carboxamide,
- 5-(2-Fluoro-4-{[2-(4-fluorophenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide,
- 5-{2-Chloro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-(2-Chloro-4-(pentylaminomethyl)phenoxy)pyridine-2-carboxamide,
- 5-{2-Chloro-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{2-Chloro-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 5-(2-Fluoro-4-{[2-(tetrahydropyran-4-yl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(2-o-tolylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(2-Naphthalen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(2-Naphthalen-1-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(2-Benzo[b]thiophen-3-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}nicotinamids,
- 6-{2-Methoxy-4-[(2-o-tolylethylamino)methyl]phenoxy}nicotinamide,

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- 6-{2-Methoxy-4-[(2-m-tolylethylamino)methyl]phenoxy}nicotinamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{2-Methoxy-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy}nicotinamide,
- 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-(2-Methoxy-4-{[2-(tetrahydropyran-4-
- yl)ethylamino]methyl}phenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(2-morpholin-4-ylethylamino)methyl]phenoxy}nicotinamide,
- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-(4-{[2-(4-Fluorophenyl)ethylamino]methyl}-2-methoxyphenoxy)nicotinamide,
- 6-(4-{[2-(2-Fluorophenyl)ethylamino]methyl}-2-methoxyphenoxy)nicotinamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 6-{2-Methoxy-4-[(2-p-tolylethylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 5-(2-Methyl-4-{[2-(tetrahydropyran-4-yl)ethylamino]methyl}phenoxy)pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methylphenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3-Methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-(4-{[2-(Tetrahydropyran-4-yl)ethylamino]methyl}phenoxy)pyrazine-2-carboxamide,
- 5-{4-[(3,3-Dimethylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 6-(2-Methoxy-4-{[2-(tetrahydropyran-4-
- yl)ethylamino]methyl}phenoxy)nicotinamide methanesulfonate,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate,
- 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide methanesulfonate,
- 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate,

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- 6-{2-Methoxy-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide methanesulfonate,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide methanesulfonate,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 6-(2-Phenethyl-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-yloxy)nicotinamide,
- 6-[2-(3-Methylbutyl)-2,3,4,5-tetrahydro-1*H*-benzo[c]azepin-7-
- yloxy]nicotinamide,
- 6-[2-(3-Methylpentyl)-2,3,4,5-tetrahydro-1H-benzo[c]szepin-7-yloxy]nicotinamide,
- (±)-6-{4-[2-(2-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (±)-(cis)-6-{4-[2-(3-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (±)-(trans)-6-{4-[2-(3-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (±)-6-{4-[2-((trans)-4-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (\pm) -6- $\{4-[2-((trans)-2-Hydroxycyclopentylamino)ethyl]phenoxy\}$ nicotinamide,
- 4-[5-(Phenethylamino-methyl)-pyridin-2-yloxy]-benzamide dihydrochloride 4-{5-
- [(3-Trifluoromethyl-benzylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-{5-[(3-Phenyl-propylamino)-methyl]-pyridin-2-yloxy}-benzamide.
- 4-{5-[(4-Fluoro-benzylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-[5-(Isobutylamino-methyl)-pyridin-2-yloxy]-benzamide 4-{5-[(2-Thiophen-2-ylethylamino)-methyl]-pyridin-2-yloxy}-benzamide
- 4-(5-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-pyridin-2-yloxy)-benzamide
- 4-(5-{[2-(2-Methoxy-phenyl)-ethylamino]-methyl}-pyridin-2-yloxy)-benzamide
- 4-(5-{[2-(2-Chloro-phenyl)-ethylamino]-methyl}-pyridin-2-yloxy)-benzamide 4-
- [5-(3-Phenyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxy]-benzamide 4-{5-[(3,3-

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Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-{5-[(3-Methyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-{3-Chloro-5-[(2-thiophen-2-yl-ethylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-(3-Chloro-5-{[2-(3-chloro-phenyl)-ethylamino]-methyl}-pyridin-2-yloxy)-benzamide and pharmaceutically acceptable salts, solvates, enantiomers, and mixtures of diastereomers thereof.

- 41. Use of a compound selected from the group consisting of:
- 6-{4-[2-(Benzyl-phenethyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[Benzyl-(3-phenyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(Benzyl-hexyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(Benzyl-heptyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[Benzyl-(5-methyl-hexyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-[4-(2-{Benzyl-[2-(3-chloro-phenyl)-ethyl]-amino}-ethyl)-phenoxy]-nicotinamide,
- 6-(4-{2-[Benzyl-(3-cyclohexyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-o-tolyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-thiophen-2-yl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(Benzyl-pentyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[Benzyl-(3-cyclopentyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-[4-(2-{Benzyl-[2-(2-fluoro-phenyl)-ethyl]-amino}-ethyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Dibenzylamino-ethyl)-phenoxy]-nicotinamide,
- 6-(4-{2-[Benzyl-(3-oxo-3-phenyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-oxo-3-thiophen-2-yl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,

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- 6-(4-{2-[Benzyl-(3-cyclohexyl-3-oxo-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-hydroxy-3-phenyl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-hydroxy-3-thiophen-2-yl-propyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[Benzyl-(3-cyclohexyl-3-hydroxy-propyi)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(3-Phenyl-propylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[4-(2-Phenethylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Hexylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Heptylamino-ethyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Pentylamino-ethyl)-phenoxy]-nicotinamide,
- 6-{4-[2-(5-Methyl-hexylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[2-(3-Chloro-phenyl)-ethylamino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(3-Cyclopentyl-propylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3-Cyclohexyl-propylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[2-(3-Fluoro-phenyl)-ethylamino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(3-o-Tolyl-propylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3-Thiophen-2-yl-propylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[4-(2-Amino-ethyl)-phenoxy]-nicotinamide,
- 6-{4-[2-(2-Methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3-Fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3-Chloro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3,4-Dichloro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(3-Trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(4-Cyano-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(4-Fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-{4-[2-(4-Methyl-benzylamino)-ethyl]-phenoxy}-nicotinamide,

REPLACEMENT CLAIMS

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6-{4-[2-(3,5-Bis-trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2,6-Difluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3,5-Difluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Acetylamino-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Methyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Chloro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Phenoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-0xo-2,3-dihydro-1H-isoindol-1-ylamino)-ethyl]-phenoxy}nicotinamide. 6-{4-[2-(4-Trifluoromethoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Trifluoromethoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(Thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-[4-(2-Octylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Cyclohexylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Cyclohexylmethyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-[4-(2-Propylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Butylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Isopropylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Isobutylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(3-Methyl-butylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(Pyridin-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Pyridin-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(5-Methyl-furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(3-Methyl-thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,

REPLACEMENT CLAIMS

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6-(4-{2-[(5-Methyl-thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Thiophen-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinemide, 6-[4-(2-Ethylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(4-Hydroxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Hydroxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Phenyl-prop-2-ynylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(Furan-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Benzofuran-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(5-Ethyl-furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(5-Chloro-thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(4,5-Dimethyl-furan-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(4-Chloro-1-methyl-1H-ругаzol-3-ylmethyl)-amino]-ethyl}-рhепоху)nicotinamide. 6-(4-{2-[(Thiazol-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(2-Methyl-1H-imidazol-4-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide, 6-{4-[2-(3,5-Di-tert-butyl-4-hydroxy-benzylamino)-ethyl]-phenoxy}nicotinamide, 6-{4-[2-(2-Fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Phenoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Chloro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Cyano-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Methyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(1H-Imidazol-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Pyridin-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-{4-[2-(2-Phenoxy-ethylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Fluoro-4-hydroxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(2-Butyl-1H-imidazol-4-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide,

REPLACEMENT CLAIMS

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6-(4-{2-[(Benzo[b]thiophen-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(3-Phenyl-1H-pyrazol-4-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide. 6-[4-(2-Allylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(4-Imidazol-1-yl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(3-Methyl-benzo[b]thiophen-2-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide, 6-{4-[2-(4-Methyl-pent-2-enylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Trifluoromethoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(2-Piperidin-1-yl-thiazol-5-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide, 6-{4-[2-(4-Cyclohexyl-butylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Cyclohexyl-ethylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Chloro-6-fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Cyclopropylmethyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[(Naphthalen-1-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Bicyclo[2.2.1]hept-5-en-2-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide. 6-(4-{2-[(Naphthalen-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Quinolin-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide, 6-{4-[2-(2,6-Dichloro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Indan-1-ylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Hydroxy-5-methoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Bromo-4-fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Fluoro-2-trifluoromethyl-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Chloro-4-fluoro-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-[4-(2-Cyclooctylamino-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(2-Phenoxy-benzylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Cyclobutylmethyl-amino)-ethyl]-phenoxy}-nicotinamide,

REPLACEMENT CLAIMS

- 6-{4-[2-(Cycloheptylmethyl-amino)-ethyl]-phenoxy}-nicotinamide,
 6-(4-{2-[(2-Morpholin-4-yl-thiazol-5-ylmethyl)-amino]-ethyl}-phenoxy)nicotinamide,
- 6-(4-{2-[(2,4-Dichloro-thiazol-5-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[(2-Chloro-thiazol-5-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(Cyclopentylmethyl-amino)-ethyl]-phenoxy}-nicotinamide,
- 6-(4-{2-[(3,5-Dimethyl-isoxazol-4-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[(5-Methyl-isoxazol-3-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-(4-{2-[(3-Phenyl-isoxazol-5-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-[4-(2-{[3-(4-Chloro-phenyl)-[1,2,4]oxadiazol-5-ylmethyl]-amino}-ethyl)-phenoxy]-nicotinamide,
- 6-(4-{2-[(5-p-Tolyl-[1,3,4]oxadiazol-2-ylmethyl)-amino]-ethyl}-phenoxy)-nicotinamide,
- 6-{4-[2-(1-Phenyl-ethylamino)-ethyl]-phenoxy}-nicotinamide,
- 6-[4-(3-Benzylamino-propyl)-phenoxy]-nicotinamide,
- 6-{4-[3-(Benzyl-pentyl-amino)-propyl]-phenoxy}-nicotinamide,
- 6-{4-[3-(Benzyl-phenethyl-amino)-propyl]-phenoxy}-nicotinamide,
- 6-(4-{3-[Benzyl-(3-cyclopentyl-propyl)-amino]-propyl}-phenoxy)-nicotinamide,
- 6-[4-(3-{Benzyl-[2-(3-fluoro-phenyl)-ethyl]-amino}-propyl)-phenoxy]-nicotinamide,
- 6-[4-(3-Pentylamino-propyl)-phenoxy]-nicotinamide,
- 6-[4-(3-Phenethylamino-propyl)-phenoxy]-nicotinamide,
- 6-{4-[3-(3-Cyclopentyl-propylamino)-propyl]-phenoxy}-nicotinamide,
- 6-(4-{3-[2-(3-Fluoro-phenyl)-ethylamino]-propyl}-phenoxy)-nicotinamide,
- (R)-6-[4-(2-Benzylamino-propyl)-phenoxy]-nicotinamide,
- (R)-6-[4-(2-Dibenzylamino-propyl)-phenoxy]-nicotinamide,
- 6-[4-(2-Benzylamino-2-methyl-propyl)-phenoxy]-nicotinamide,

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6-[4-(2-Methyl-2-pentylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Methyl-2-phenethylamino-propyl)-phenoxy]-nicotinamide, 6-(4-{2-[2-(3-Fluoro-phenyl)-ethylamino]-2-methyl-propyl}-phenoxy)nicotinamide, 6-{4-[2-(3-Cyclopentyl-propylamino)-2-methyl-propyl]-phenoxy}-nicotinamide, 6-[4-(3-Benzylamino-butyl)-phenoxy]-nicotinamide, 6-[4-(3-Pentylamino-butyl)-phenoxy]-nicotinamide, 6-[4-(3-Propylamino-butyl)-phenoxy]-nicotinamide, 6-[4-(3-Methylamino-butyl)-phenoxy]-nicotinamide, 6-[4-(3-Phenethylamino-butyl)-phenoxy]-nicotinamide, 6-(4-{3-[2-(3-Fluoro-phenyl)-ethylamino]-butyl}-phenoxy)-nicotinamide, 6-(4-{3-[2-(3-Chloro-phenyl)-ethylamino]-butyl}-phenoxy)-nicotinamide, 6-(4-{3-[(Furan-2-ylmethyl)-amino]-butyl}-phenoxy)-nicotinamide, 6-{4-[3-(2-Thiophen-2-yl-ethylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(Cyclopropylmethyl-amino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(3-Trifluoromethyl-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(4-Fluoro-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(3-Fluoro-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-[4-(3-Allylamino-butyl)-phenoxy]-nicotinamide, 6-{4-[3-(4-Chloro-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(4-Methoxy-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(4-Trifluoromethyl-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(4-Trifluoromethoxy-benzylamino)-butyl]-phenoxy}-nicotinamide, 6-{4-[3-(3-Trifluoromethoxy-benzylamino)-butyl]-phenoxy}-nicotinamide, (1R)-6-{4-[3-(1-Phenyl-ethylamino)-butyl]-phenoxy}-nicotinamide, (1S)-6-{4-[3-(1-Phenyl-ethylamino)-butyl]-phenoxy}-nicotinamide, 6-[4-(2-Benzylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Pentylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Propylamino-propyl)-phenoxy]-nicotinamide,

REPLACEMENT CLAIMS

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. 6-[4-(2-Methylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Phenethylamino-propyl)-phenoxy]-nicotinamide, 6-(4-{2-[2-(3-Fluoro-phenyl)-ethylamino]-propyl}-phenoxy)-nicotinamide, 6-(4-{2-[2-(3-Chloro-phenyl)-ethylamino]-propyl}-phenoxy)-nicotinamide, 6-(4-{2-[(Furan-2-ylmethyl)-amino]-propyl}-phenoxy)-nicotinamide, 6-{4-[2-(2-Thiophen-2-yl-ethylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(Cyclopropylmethyl-amino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Trifluoromethyl-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Fluoro-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Fluoro-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-[4-(2-Allylamino-propyl)-phenoxy]-nicotinamide, 6-{4-[2-(4-Chloro-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Trifluoromethyl-benzylamino)-propyl]-phenoxy}.-nicotinamide, 6-{4-[2-(4-Methoxy-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Trifluoromethoxy-benzylamino)-propyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Trifluoromethoxy-benzylamino)-propyl]-phenoxy}-nicotinamide, (1S)-6-{4-[2-(1-Phenyl-ethylamino)-propyl]-phenoxy}-nicotinamide, (1R)-6-{4-[2-(1-Phenyl-ethylamino)-propyl]-phenoxy}-nicotinamide, 6-[4-(2-Benzylamino-1-methyl-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Benzyl-pentyl-amino)-1-methyl-ethyl]-phenoxy}-nicotinamide, 6-[4-(1-Methyl-2-pentylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Benzylamino-1,1-dimethyl-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Cyclohexylmethyl-amino)-1,1-dimethyl-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(2-Chloro-benzylamino)-1,1-dimethyl-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Fluoro-benzylamino)-1,1-dimethyl-ethyl]-phenoxy}-nicotinamide, 6-[4-(3-Phenylamino-propyl)-phenoxy]-nicotinamide, 6-[4-(2-Dimethylamino-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Piperidin-1-yl-ethyl)-phenoxy]-nicotinamide, 6-[4-(2-Morpholin-1-yl-ethyl)-phenoxy]-nicotinamide,

REPLACEMENT CLAIMS

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6-{4-[2-(3,4-Dihydro-1H-isoquinolin-2-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Benzoyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3-Methyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(3,5-Dimethyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Benzhydryl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(4-Phenyl-piperidin-1-yl)-ethyl]-phenoxy}-nicotinamide, 6-(4-{2-[3-Fluoro-phenyl)-piperidin-1-yl]-ethyl}-phenoxy)-nicotinamide, 6-[4-(2-Azepan-1-yl-ethyl)-phenoxy]-nicotinamide, 6-{4-[2-(Benzyl-methyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-ethyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-propyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-butyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-cyclopropylmethylamino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-isobutyl-amino)-ethyl]-phenoxy}-nicotinamide, 6-{4-[2-(Benzyl-(3-methyl-butyl)-amino)-ethyl]-phenoxy}-nicotinamide, 6-[4-(2-Benzoylamino-ethyl)-phenoxy]-nicotinamide, 4-[4-(2-Benzylamino-ethyl)-phenoxy]-2-fluoro-benzamide, 2-[4-(2-Benzylamino-ethyl)-phenoxy]-4-fluoro-benzamide. 4-[4-(2-Benzylamino-ethyl)-phenoxy]-2-chloro-benzamide. 6-[4-(2-Benzylamino.ethyl)-2-methyl-phenoxy]-nicotinamide, 6-[2-Methyl-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Fluoro-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Ethoxy-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Chloro-4-(phenethylamino-methyl)-phenoxy]nicotinamide,

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6-[3-Chloro-4-(phenethylamino-methyl)-phenoxy]nicotinamide, 6-[2-Methyl-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Fluoro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Chloro-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-[2-Ethoxy-4-(3-methyl-butylamino-methyl)-phenoxy]nicotinamide, 6-{4-[2-Cyclopentyl-ethylamino)-methyl]-2-methyl-phenoxy}-nicotinamide, 6-{4-[2-Cyclopentyl-ethylamino)-methyl]-2-fluoro-phenoxy}-nicotinamide, 6-{2-Chloro-4-[2-Cyclopentyl-ethylamino)-methyl] -phenoxy}-nicotinamide, 6-{4-[2-Cyclopentyl-ethylamino)-methyl]-2-ethoxy-phenoxy}-nicotinamide, 6-{2-Methyl-4-[2-thiophen-2-yl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-2-methyl-phenoxy)nicotinamide, 6-{2-Methyl-4-[(2-0-tolyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3,3-Dimethyl-butylamino)-methyl]-2-methyl-phenoxy}-nicotinamide, 6-(4-{[2-(3-Chloro-phenyl)-ethylamino]-methyl}-2-methyl-phenoxy)nicotinamide. 6-(4-Butylaminomethyl-2-methyl-phenoxy)-nicotinamide, 6-(2-Methyl-4-{[methyl-(3-methyl-butyl)-amino]-methyl}-phenoxy)nicotinamide. 6-{2-Methyl-4-[(methyl-phenethyl-amino)-methyl]-phenoxy}-nicotinamide, 3-Fluoro-4-[4-(phenethylamino-methyl)-phenoxy]-benzamide, 3-Chloro-4-[4-(phenethylamino-methyl)-phenoxy]-benzamide, 2-Chloro-4-[4-(phenethylamino-methyl)-phenoxy]-benzamide, 3-Fluoro-4-{2-methyl-4-[(3-methyl-butylamino)-methyl]-phenoxy}-benzamide, 4-(4-Benzylamino-phenoxy)-benzamide, 4-(4-Phenethylamino-phenoxy)-benzamide, 6-[4-(Benzylamino-methyl)-phenoxy]-nicotinamide,

6-(4-Allylaminomethyl-phenoxy)-nicotinamide,

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6-{4-[(4-Methoxy-benzylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3-Trifluoromethyl-benzylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Thiophen-2-yl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3-Fluoro-benzylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[(Furan-2-ylmethyl)-amino]-methyl}-phenoxy)-nicotinamide, 6-(4-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-{4-[(4-Trifluoromethoxy-benzylamino)-methyl]-phenoxy}-nicotinamide, 6-[4-(Phenethylamino-methyl)-phenoxy]-nicotinamide, 6-(4-{[2-(3-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-(4-{[2-(4-Sulfamoyl-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-{4-[(3-Phenyl-propylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3,3-Diphenyl-propylamino)-methyl]-phenoxy}-nicotinamide, .6-{4-[(3,3-Dimethyl-butylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[2-(2-Methoxy-phenyl)-ethylamino]-methyl}-phenoxy)-inicotinamide, 6-{4-[(2-Phenylamino-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Phenyl-propylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Pyridin-2-yl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[2-(2-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-{4-[(2-Pyridin-3-yl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2,2-Diphenyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(3-Methyl-butylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Cyclohexyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Methylsulfanyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(6-Hydroxy-hexylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Dimethylamino-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-Decylaminomethyl-phenoxy)-nicotinamide, 6-{4-[(2-Ethyl-hexylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-{[(Tetrahydro-furan-2-ylmethyl)-amino]-methyl}-phenoxy)-nicotinamide, 6-{4-[(2-Pyrrolidin-1-yl-ethylamino)-methyl]-phenoxy}-nicotinamide,

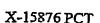
REPLACEMENT CLAIMS

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6-(4-{[2-(1-Methyl-pyrrolidin-2-yl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-(4-{[2-(1H-Imidazol-4-yl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-(4-{[3-(2-Methyl-piperidin-1-yl)-propylamino]-methyl}-phenoxy)nicotinamide, 6-{4-[(2-Diisopropylamino-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-{4-[(2-Cyclohex-1-enyl-ethylamino)-methyl]-phenoxy}-nicotinamide, 6-(4-Pentylaminomethyl-phenoxy)-nicotinamide, 4-{4-[(4-Trifluoromethoxy-benzylamino)-methyl]-phenoxy}-benzamide, 4-(4-{[2-(3-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-{4-[(4-Trifluoromethyl-benzylamino)-methyl]-phenoxy}-benzamide, . 4-{4-[(4-Fluoro-benzylamino)-methyl]-phenoxy}-benzamide, 4-(4-Pentylaminomethyl-phenoxy)-benzamide, 4-{4-[(2-Phenyl-propylamino)-methyl]-phenoxy}-benzamide, 4-(4-{[2-(2-Chloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-(4-{[2-(2,4-Dichloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-(4-{[2-(4-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-(4-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-(4-{[2-(2-Fluoro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-(4-{[2-(2,5-Dimethoxy-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-(4-{[2-(2,6-Dichloro-phenyl)-ethylamino]-methyl}-phenoxy)-benzamide, 4-{4-[(2-o-Tolyl-ethylamino)-methyl]-phenoxy}-benzamide, 4-{4-[(2,2-Diphenyl-ethylamino)-methyl]-phenoxy}-benzamide, 4-[4-(3-Phenyl-propylamino)-phenoxy]-benzamide, 4-{4-[(2-Cyclopentyl-ethylamino)-methyl]-phenoxy}-benzamide, 4-{4-[(2,6-Dichloro-benzylamino)-methyl]-phenoxy}-benzamide, 4-(4-{[(Furan-2-ylmethyl)-amino]-methyl}-phenoxy)-benzamide, 6-(4-{[2-(3,4-Dichloro-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide, 6-(4-{[2-(2-Ethoxy-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,

6-{4-[(2-o-Tolyl-ethylamino)-methyl]-phenoxy}-nicotinamide,





19:2004; I LILLY AND GU

REPLACEMENT CLAIMS

- 6-(4-{[2-(2-Phenoxy-phenyl)-ethylamino]-methyl}-phenoxy)-nicotinamide,
- 6-[4-((2-Thiophenyl-ethyamino)-methyl)-2-ethoxy phenoxy] nicotinamide,
- 6-[4-((3-Methyl-butylamino)-methyl)-2-ethoxy phenoxy] nicotinamide methanesulfonate salt,
- 6-[4-((3-Dimethyl-butylamino)-methyl)-2-ethoxy phenoxy] nicotinamide,
- 6-[4-(Butylamino-methyl)-2-ethoxy phenoxy] nicotinamide,
- 6-[4-((2-Phenyl-ethyamino)-methyl)-2,5-dimethyl phenoxyl nicotinamide,
- 6-[4-((2-Cyclopentyl-ethyamino)-methyl)-2-ethoxy phenoxy] nicotinamide metanosulfonate salt,
- 6-[4-((3-Methyl-butylamino)-methyl)-2,5-dimethyl phenoxy] nicotinamide
- 6-(4-Iodo-phenoxy)-nicotinamide,
- (±)-6-(4-Piperidin-3-yl-phenoxy)-nicotinamide,
- (±)-6-[4-(1-Benzyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-Cyclohexylmethyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-Methyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-(3-Fluoro-benzyl)-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-(2-Fluoro-benzyl)-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-[4-(1-Hexyl-piperidin-3-yl)-phenoxyl-nicotinamide,
- (±)-6-{4-[1-(3-Methyl-butyl)-piperidin-3-yl]-phenoxy}-nicotinamide,
- (±)-6-[4-(1-Phenethyl-piperidin-3-yl)-phenoxy]-nicotinamide,
- (±)-6-{4-[1-(2-Cyclohexyl-ethyl)-piperidin-3-yl]-phenoxy}-nicotinamide.
- 6-[4-(4-Benzyl-piperazin-1-ylmethyl)-phenoxyl-nicotinamide,
- 6-[4-(4-Phenethyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(4-Cyclopentyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-{4-[4-(1-Phenyl-ethyl)-piperazin-1-ylmethyl]-phenoxy}-nicotinamide.
- 6-[4-(4-Benzhydryl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-{4-[4-(4-Fluoro-phenyl)-piperazin-1-ylmethyl]-phenoxy}-nicotinamide,
- 6-[4-(4-Phenyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide,

REPLACEMENT CLAIMS

- 6-[4-(4-Cyclohexyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide, 6-[4-(4-Isopropyl-piperazin-1-ylmethyl)-phenoxy]-nicotinamide, (3R)-6-{4-[(1-Benzyl-pyrrolidin-3-ylamino)-methyl]-phenoxy}-nicotinamide, (3S)-6-{4-[(1-Benzyl-pyrrolidin-3-ylamino)-methyl]-phenoxy}-nicotinamide, (±)-6-[4-(2-Phenyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide. (\pm)-6-[4-(2-Phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide, hydrochloric acid salt (±)-6-[4-(3-Phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(4-Phenyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenyl-azepan-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(4-Phenyl-azepan-1-ylmethyl)-phenoxy]-nicotinamide.
- 6-[4-(4,4-Diphenyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-[4-(3,3-Diphenyl-pyrrolidin-1-ylmethyl)-phenoxyl-nicotinamide.
- 6-[4-(2,2-Diphenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-(4-Piperidin-1-ylmethyl-phenoxy)-nicotinamide,
- (±)-6-[4-(1,2,4,4a,9,9a-Hexahydro-3-aza-fluoren-3-ylmethyl)-phenoxy]nicotinamide.
- (±)-6-{4-[3-(2-Chloro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide,
- (±)-6-{4-[3-(3-Chloro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide.
- (±)-6-{4-[3-(3-Trifluoromethyl-phenyl)-piperidin-1-ylmethyl]-phenoxy}nicotinamide,
- (±)-6-[4-(3-Methyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenethyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenpropyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Benzyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[4-(3-Phenyl-piperidin-1-ylmethyl)-phenoxyl-nicotinamide.
- (±)-6-{4-[3-(4-Fluoro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide hydrochloric acid salt,



REPLACEMENT CLAIMS

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- (±)-6-{4-[3-(2-Fluoro-phenyl)-piperidin-1-ylmethyl]-phenoxy}-nicotinamide hydrochloric acid salt.
- (±)-6-[4-(3-Cyclohexyl-piperidin-1-ylmethyl)-phenoxy]-nicotinamide hydrochloric acid salt,
- (±)-6-[2-Methyl-4-(3-phenyl-piperidin-lymethyl)-phenoxy]-nicotinamide hydrochloric acid salt.
- (±)-6-[2-Methyl-4-(3-phenyl-azepan-lymethyl)-phenoxy]-nicotinamide hydrochloric acid salt.
- (±)-6-[2-Methyl-4-(4-phenyl-azepan-lymethyl)-phenoxy]-nicotinamide,
- (\pm)-1-{6-[2-Methyl-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-pyridin-3-yl}ethanone,
- (±)-5-(1,1-Difluoro-ethyl)-2-[2-methyl-4-(3-phenyl-pyrrolidin-1-ylmethyl)phenoxy]-pyridine hydrochloric acid salt,
- (±)-6-[2-Fluoro-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[2-Ethoxy-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- (±)-6-[2-Chloro-4-(3-phenyl-pyrrolidin-1-ylmethyl)-phenoxy]-nicotinamide,
- 6-(3-Phenethyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yloxy)nicotinamide,
- 6-(3-Benzyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yloxy)-nicotinamide,
- 6-[4-(Phenethylaminomethyl)phenoxy]nicotinamidine,
- {2-[4-(5-Aminomethylpyridin-2-yloxy)phenyl]ethyl}benzylamine,
- 5-[4-(Phenethylaminomethyl)phenoxy]pyridine-2-carboxyamide,
- 2-[4-(2-Benzylaminoethyl)phenoxylnicotinamide,
- 6-[4-(2-Benzylaminoethyl)phenoxy]pyridine-2-carboxamide,
- 2-[4-(2-Benzylaminoethyl)phenoxylisonicotinamide.
- N-Methyl-{6-[4-(phenethylaminomethyl)phenoxy]nicotinamidine.
- 5-[4-(Phenethylaminomethyl)phenoxy]pyrazine-2-carboxamide,
- 5-(4-{[2-(4-Fluorophenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide,



REPLACEMENT CLAIMS

- 5-{4-[(3-Methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methyl-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[2-(3-Trifluoromethylphenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate,
- 5-{4-[(2-Thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methyl-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methoxy-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{4-[(2-Cyclopentylethylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{4-[(2-Cyclopentylethylamino)methyl]-2-methylphenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{4-[(2-Cyclopentylethylamino)methyl]-2-methoxyphenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[(Benzo[b]thiophen-3-ylmethyl)amino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[2-(4-Methoxyphenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[2-(3-Fluorophenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate,
- 5-(4-{[2-(2-Fluorophenyl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide methanesulfonate,

REPLACEMENT CLAIMS

- 5-{2-Fluoro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide methanesulfonate,
- 5-{2-Methyl-4-[(3-methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide methanesulfonate,
- 5-(2-Fluoro-4-pentylaminomethylphenoxy)pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy} pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy} pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(2-m-tolylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- $\label{lem:condition} 5-(2-Fluoro-4-\{[2-(4-fluorophenyl)ethylamino]methyl\} phenoxy) pyridine-2-carboxamide,$
- 5-{2-Chloro-4-[(3-methylbutylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-(2-Chloro-4-(pentylaminomethyl)phenoxy)pyridine-2-carboxamide,
- 5-{2-Chloro-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{2-Chloro-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide,
- 5-(2-Fluoro-4-{[2-(tetrahydropyran-4-yl)ethylamino]methyl}phenoxy)pyridine-2-carboxamide,
- 5-{2-Fluoro-4-[(2-o-tolylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(2-Naphthalen-2-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- 5-{4-[(2-Naphthalen-1-ylethylamino)methyl]phenoxy}pyridine-2-carboxamide,
- $5-\{4-[(2-Benzo[b]thiophen-3-ylethylamino)methyl]phenoxy\}$ pyridine-2-carboxamide,
- 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(2-thiophen-2-ylethylamino)methyl]phenoxy}nicotinamide,
- 6-{2-Methoxy-4-[(2-o-tolylethylamino)methyl]phenoxy}nicotinamide,



REPLACEMENT CLAIMS

- 6-{2-Methoxy-4-[(2-m-tolylethylamino)methyl]phenoxy}nicotinamide,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-{2-Methoxy-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy}nicotinamide,
- 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-(2-Methoxy-4-{[2-(tetrahydropyran-4-
- yl)ethylamino]methyl}phenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(2-morpholin-4-ylethylamino)methyl]phenoxy}nicotinamide,
- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide,
- 6-(4-{[2-(4-Fluorophenyl)ethylamino]methyl}-2-methoxyphenoxy)nicotinamide,
- 6-(4-{[2-(2-Fluorophenyl)ethylamino]methyl}-2-methoxyphenoxy)nicotinamide,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide,
- 6-{2-Methoxy-4-[(4-methylpentylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 6-{2-Methoxy-4-[(2-p-tolylethylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 5-(2-Methyl-4-{[2-(tetrahydropyran-4-yl)ethylamino]methyl}phenoxy)pyrazine-2-carboxamide.
- 5-{4-[(3,3-Dimethylbutylamino)methyl]-2-methylphenoxy}pyrazine-2-carboxamide,
- 5-{4-[(3-Methylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 5-(4-{[2-(Tetrahydropyran-4-yl)ethylamino]methyl}phenoxy)pyrazine-2-carboxamide.
- 5-{4-[(3,3-Dimethylbutylamino)methyl]phenoxy}pyrazine-2-carboxamide,
- 6-(2-Methoxy-4-{[2-(tetrahydropyran-4-
- yl)ethylamino]methyl}phenoxy)nicotinamide methanesulfonate,
- 6-(4-Hexylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate,
- 6-(2-Methoxy-4-pentylaminomethylphenoxy)nicotinamide methanesulfonate,
- 6-(4-Butylaminomethyl-2-methoxyphenoxy)nicotinamide methanesulfonate,



REPLACEMENT CLAIMS

- 6-{2-Methoxy-4-[(2-pyridin-3-ylethylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 6-{4-[(2-Ethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide methanesulfonate,
- 6-{4-[(3,3-Dimethylbutylamino)methyl]-2-methoxyphenoxy}nicotinamide methanesulfonate,
- 6-{2-Methoxy-4-[(3-methylbutylamino)methyl]phenoxy}nicotinamide methanesulfonate,
- 6-(2-Phenethyl-2,3,4,5-tetrahydro-1H-benzo[c]azepin-7-yloxy)nicotinamide,
- 6-[2-(3-Methylbutyl)-2,3,4,5-tetrahydro-1*H*-benzo[*c*]azepin-7-yloxy]nicotinamide,
- 6-[2-(3-Methylpentyl)-2,3,4,5-tetrahydro-1*H*-benzo[c]azepin-7-yloxy]nicotinamide,
- (±)-6-{4-[2-(2-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (±)-(cis)-6-{4-[2-(3-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (±)-(trans)-6-{4-[2-(3-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (±)-6-{4-[2-((trans)-4-Hydroxycyclohexylamino)ethyl]phenoxy}nicotinamide,
- (±)-6-{4-[2-((trans)-2-Hydroxycyclopentylamino)ethyl]phenoxy}nicotinamide,
- 4-[5-(Phenethylamino-methyl)-pyridin-2-yloxy]-benzamide dihydrochloride 4-{5-
- [(3-Trifluoromethyl-benzylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-{5-[(3-
- Phenyl-propylamino)-methyl]-pyridin-2-yloxy}-benzamide
- 4-{5-[(4-Fluoro-benzylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-[5-
- (Isobutylamino-methyl)-pyridin-2-yloxy]-benzamide 4-{5-[(2-Thiophen-2-yl
- ethylamino)-methyl]-pyridin-2-yloxy}-benzamide
- 4-(5-{[2-(3-Fluoro-phenyl)-ethylamino]-methyl}-pyridin-2-yloxy)-benzamide
- $4-(5-\{[2-(2-Methoxy-phenyl)-ethylamino]-methyl\}-pyridin-2-yloxy)-benzamide \\$
- 4-(5-{[2-(2-Chloro-phenyl)-ethylamino]-methyl}-pyridin-2-yloxy)-benzamide 4-
- [5-(3-Phenyl-pyrrolidin-1-ylmethyl)-pyridin-2-yloxy]-benzamide 4-{5-[(3,3-

REPLACEMENT CLAIMS

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Dimethyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide 4-{5-[(3-Methyl-butylamino)-methyl]-pyridin-2-yloxy}-benzamide

4-{3-Chloro-5-[(2-thiophen-2-yl-ethylamino)-methyl]-pyridin-2-yloxy}-benzamide

4-(3-Chloro-5-{[2-(3-chloro-phenyl)-ethylamino]-methyl}-pyridin-2-yloxy)-benzamide

and pharmaceutically acceptable salts, solvates, enantiomers, and mixtures of diastereomers thereof in the manufacture of a medicament for the treatment of obesity, and related diseases.